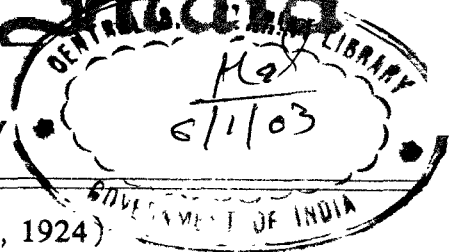




भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY



सं० 35]

नई दिल्ली, शनिवार, 31 अगस्त, 2002 (भाद्रपद 9, 1924)

No. 35]

NEW DELHI, SATURDAY, AUGUST 31, 2002 (BHADRA 9, 1924)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2

[PART III—SECTION 2]

[पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस]
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Kolkata, the 31st August 2002

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KOLKATA-700 020.

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एकस्व तथा अधिकल्प

कोलकाता, दिनांक 31 अगस्त 2002

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कोलकाता में अवस्थित है तथा मुम्बई, दिल्ली एवं चेन्नई में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं:—

1. पेटेंट कार्यालय शाखा,
टोडी इस्टेट, तीसरा तल,
सन मिल कम्पाउंड,
लोअर परेल (वेस्ट),
मुम्बई - 400 013.

गुजरात, महाराष्ट्र, मध्य प्रदेश,
गोआ तथा छत्तीसगढ़ राज्य क्षेत्र एवं संघ
शासित क्षेत्र, दमन तथा दीव,
दादर और नगर हवेली।

तार पता - "पेटेंटोफिस"

फोन - (022) 492 4058, 496 1370, 490 3684.

फैक्स - (022) 490 3852.

2. पेटेंट कार्यालय शाखा,
डब्ल्यू-5, वेस्ट पटेल नगर,
नई दिल्ली - 110 008।

हरियाणा, हिमाचल प्रदेश, जम्मू
तथा कश्मीर, पंजाब, राजस्थान,
उत्तर प्रदेश, दिल्ली तथा उत्तरांचल राज्य
क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़।

तार पता - "पेटेंटोफिक"

फोन - (011) 587 1255, 587 1256, 587 1257,

587 1258, 587 7245

फैक्स - (011) 587 6209, 587 2532.

3. पेटेंट कार्यालय शाखा,
गुना कम्प्लेक्स, छठा तल, एनेक्स-II,
443, अन्नासलाई, तेनामपेट,
चेन्नई - 600 018.

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु
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भवन, 5वां, 6ठा व 7वां तल,
234/4, आचार्य जगदीश बोस मार्ग,
कोलकाता - 700 020।

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फोन - (033) 247 4401, 247 4402, 247 4403.

फैक्स - (033) 247 3851, (033) 240 1353.

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम, 1999 अथवा पेटेंट (संशोधन) नियम, 1972 द्वारा अपेक्षित सभी आवेदन, सूचनाएं, विवरण या अन्य दस्तावेज या कोई फीस पेटेंट कार्यालय के केवल समुचित कार्यालय में ही ग्रहण किए जाएंगे।

शुल्क : शुल्कों की अवक्यगी या तो नकद की जाएगी अथवा जहां उपयुक्त कार्यालय अवस्थित है, उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा सकती है।

ALTERATION OF DATE U/S 16

188199 Antedated to 22nd January, 1996.
(194/Cal/2000)

188200 Antedated to 22nd January, 1996.
(195/Cal/2000)

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स्वीकृत संपूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि संबद्ध आवेदनों में से किसी पर पेटेंट अनुदान के विरोध करने के इच्छुक व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अग्रिम ऐसी अवधि जो उक्त चार (4) महीने की अवधि की समाप्ति के पूर्व, पेटेंट (संशोधन) नियम, 1999 के तहत विहित प्ररूप 4 पर अगर आवेदित हो, एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक एकस को उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्ररूप 7 पर दे सकते हैं। विरोध संबंधी लिखित वक्तव्य दो प्रतियों में साक्ष के साथ, यदि कोई हो, उक्त सूचना के साथ या पेटेंट (संशोधन) नियम, 1999 द्वारा संशोधित नियम 36 के तहत यथाविहित उक्त सूचना की तिथि से 60 दिन के भीतर फाईल कर दिये जाने चाहिए।

प्रत्येक विनिर्देश के संदर्भ में नीचे दिये वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप हैं।

विनिर्देश तथा चित्र आरेख, यदि कोई हो, की अंकित प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके शाखा कार्यालयों से यथाविहित 30 रुपये प्रति की अदायगी पर की जा सकती है।

ऐसी परिस्थिति में जब विनिर्देश को अंकित प्रति उपलब्ध नहीं हो, विनिर्देश तथा चित्र आरेख, यदि कोई हो, की फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके शाखा कार्यालयों से यथाविहित फोटोप्रति शुल्क उक्त दस्तावेज के 10 रुपये प्रति पृष्ठ धन 30 रुपये की अदायगी पर की जा सकती है।

Ind. Cl. : 39.0

188161

Int. Cl.⁴ : C 01 B 33/26.

A PROCESS FOR THE PREPARATION OF AN AMORPHOUS ALUMINO-SILICATE DERIVATIVE.

Applicant : THE UNIVERSITY OF QUEENSLAND, OF ST. LUCIA, QUEENSLAND, 4072, AUSTRALIA.

Inventor(s) : 1. BALBIR SINGH, 2. IAN DAVID RICHARD MACKINNON & 3. DAVID PAGE.

Application No. 1352/Cal/95, filed on 30.10.95.

(Convention No. PN-0121 filed on 16.12.94 in Australia).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office, Kolkata.

12 Claims

A process for the preparation of an amorphous aluminosilicate derivative having a chemical composition $M_p Al_q Si_r O_s (OH)_u H_2O$ wherein $0.2 \leq p \leq 2.0$, $0.5 \leq q \leq 2.5$, $4.0 \leq r \leq 12$, $0.5 \leq s \leq 4.0$, and $0.0 \leq u \leq 6.0$ wherein M is ammonium ion or alkali metal cation which includes the step of mixing a solid aluminosilicate starting material with solid alkali metal hydroxide or ammonium hydroxide to form a solution having a molar excess of alkali metal hydroxide or ammonium hydroxide and heating to form the amorphous aluminosilicate material, and optionally adding an additional reactant MX, where X is halide, to form an amorphous aluminosilicate material having a composition of general formula $M_p Al_q Si_r O_s (OH)_u X_v H_2O$, wherein p, q, r, s and u are as hereinbefore defined, and wherein $0.0 \leq v \leq 1.0$.

(Compl. Specn. : 43 Pages.

Drgn. Sheets : 16;

Ind. Cl. : 32F₄.

188162

Int. Cl.⁴ : A 61 K 31/63.

PROCESS FOR PREPARATION OF PHARMACEUTICAL COMPOSITION WITH DEXTRO- AND LAEVO-ROTATORY ISOMERS OF SODALOL

Applicant : TORRENT PHARMACEUTICALS LTD. TORRENT HOUSE, NEAR DINESH HALL, 60/1 ASHRAM ROAD, AHMEDABAD-380009 INDIA

Inventor : ALANGUDI SANKARANARAYANAN.

Application No. 89/Cal/99 filed on 05.02.1999.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office, Kolkata.

6 Claims

A process for preparation of a pharmaceutical composition for use as an anti-arrhythmic drug with controlled beta adrenergic blockage which comprises :

- conversion of racemic sotalol hydrochloride to its base by treatment with aqueous potassium carbonate solution;
- resolution of racemic sotalol base into its enantiomers by chromatographic separation method, such as herein described;
- reconversion of the d- and l- sotalol bases into their hydrochloride by treatment with a solution of HCL in propan-2-ol at 25°C;
- mixing racemic sotalol hydrochloride with -d sotalol hydrochloride in suitable proportion to get d- and l-isomer of sotalol hydrochloride in the mixture in the range of ratio from 1.5:1 to 3.5:1;
- mixing d-enriched sotalol hydrochloride of step (d) or their other pharmaceutically acceptable salts with pharmaceutically acceptable excipient and additives such as herein described optionally with one or more other known pharmacologically active compound(s).

(Compl. Specn. : 23 Pages.

Drgn. Sheet : Nil)

Ind. Cl. : 195 B.

188163

Int. Cl.⁴ : F 16 K, 15/20.

VALVE CONNECTOR.

Applicant : NVB INTERNATIONAL P.O. BOX 69, DK-3460, DENMARK.

Inventor : BLOM, NICHOLAAS VAN DER.

Application No. 314/Cal/96 filed on 20.2.96

(Convention No(s). 9503 312 and 9518558.3 filed on 24.2.95 and 12.9.95 respectively in U.K.)

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office, Kolkata.

13 Claims

A valve connector for connecting to inflation valves of vehicle tyres, comprising a housing (3, 25, 110, 164, 190) connected to a pressure source,

the valve coupling hole (5) within the housing for coupling with an inflation valve to which the valve connector is to be connected, the coupling hole having a central axis (4) and an outer opening (8) and there being provided within

the coupling hole (5) inflation valve sealing means (12, 13, 79, 80, 200, 194, 330, 332). situated coaxially with the central axis (4) of the coupling hole (5), for sealing the valve connector onto inflation valves of various types and/or sizes characterized in that

said valve coupling hole (5) is of a stepped configuration, thereby having at least two valve coupling hole sections which are axially displaced from each other, and have different diameters and are designed for receiving inflation valves of different diameters with the larger diameter hole section closer to the outer opening (8) of the coupling hole than the smaller diameter hole section, and

said inflation valve sealing means comprise a first valve sealing portion.

(13, 80, 194, 332) and a second valve sealing portion (12, 79, 200, 330), which are located at different levels along the central axis (4), said first sealing portion being disposed at and assigned to the larger diameter hole section and second sealing portion being disposed at and assigned to the smaller diameter hole section.

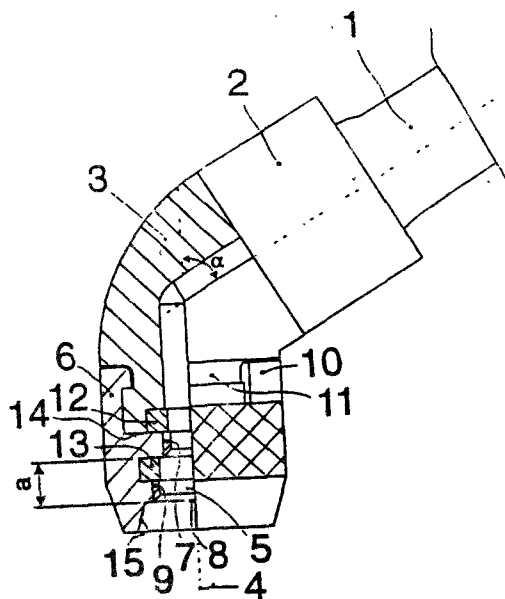


Fig. 1

(Compl. Specn. : 22 Pages.

Drgn. Sheets : 13)

Ind. Cl. : 126 D

188164

Int. Cl.⁴ : G 01 R 29/18.

A CIRCUIT ARRANGEMENT FOR DETERMINING THE SENSE OF ROTATION OF THE PHASIS OF A THREE-PHASE SYSTEM

Applicant : SIEMENS AKTIENGESellschaft, OF WITTELSBACHERPLATZ 2, 80333 MUENCHEN, GERMANY

Inventor : 1. KEHAAG HONS, 2. ROHL WOLFGANG.

Application No. 35/Cal/96 filed on 1.3.96.

(Convention No. 19508769.0 filed on 1.3.95 in Germany).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office, Kolkata.

1 Claim

A circuit arrangement for determining the sense of rotation of the phases (L1, L2, L3) of a three phase system, characterized in that, said circuit arrangement comprises :

- a comparator circuit (V1) for determining the zero crossing in one phase (L1);
- one comparator circuit (V3, V4) each is provided for determining the polarity of the remaining phases (L2, L3);
- a first logic circuit (D1) is provided for processing the output variables of all said comparator circuits (V1, V3, V4);
- a second logic circuit (D2) controlled by said first logic circuit (D1) for generating output variable for the sense of rotation and for respectively undertaking measurement logic "0" or "1" signals, a "0" signal denoting an invalid measurement and
- a display device (AV) for presenting user oriented symbols.

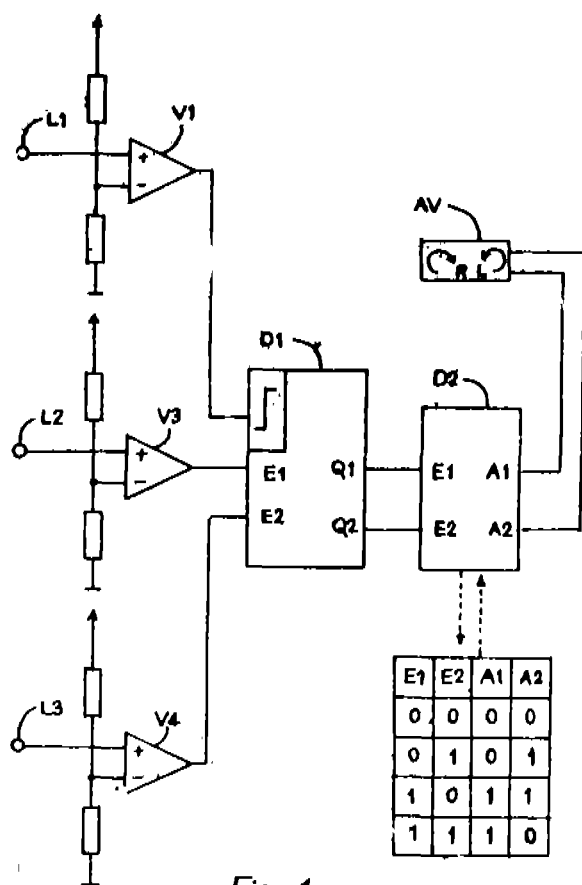


Fig. 4

Ind. Cl. : 172 C 5.

188165

Int. Cl.⁴ : D 01 G 31/00.

A DEVICE FOR DETECTING FOREIGN FIBRES IN FIBRE OPENING LINES.

Applicant : H. HERGETH GMBH OF LOWENSTRASSE 10, 8023 ZURICH, SWITZERLAND.

Inventor : HERGETH A. HUBERT.

Application No. 662/Cal/96 filed on 10.4.96.

(Convention No. 195118183.0 filed on 22.5.95 in Germany).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office, Kolkata.

9 Claims

A device for detecting foreign fibres in fibre opening lines comprising at least one opening roll (W), an inlet for fibres connected to a chute (L), said roller (W) is provided with a plurality of pins or points (P) on its circumference for opening the fibre tufts along the trough (M) having a colour sensor (S1) or a deflecto (D) with a colour sensor (S2) disposed along the circumference of said roll (W) when said colour sensors and the connected evaluation computer detect a distinct deviation in colour in the opened material in comparison with the normal fibre, a device (F) is activated to direct at least a part of the material into a separate path of line (A) or line (B).

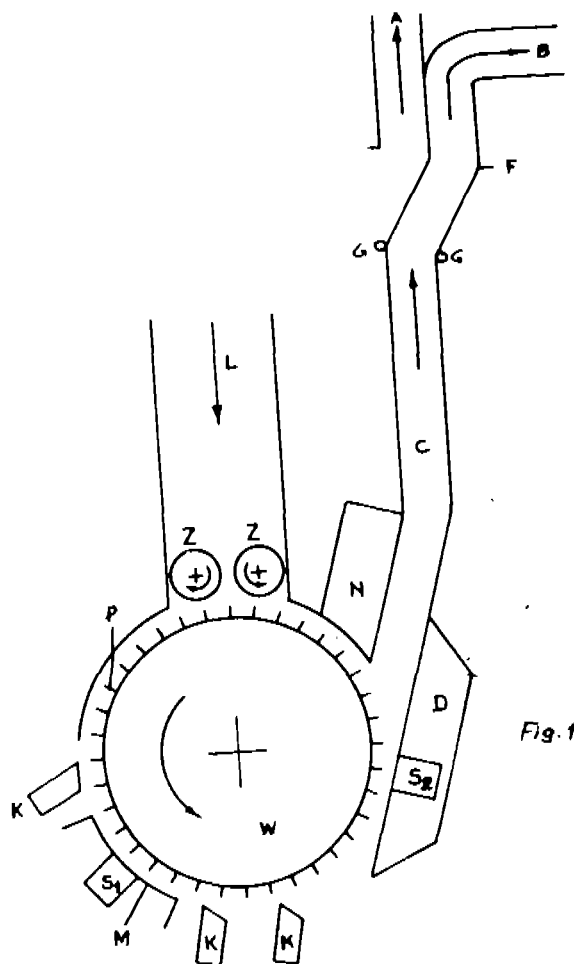


Fig. 1

Ind. Cl. : 160 C.

188166

Int. Cl.⁴ : B 60 S 1/42.**A PIVOT JOINT IN A WIPER BLADE ASSEMBLY.**

Applicant: TRICO PRODUCTS CORPORATION OF 817 WASHINGTON STREET, BUFFALO, NEW YORK 14203-1298, U.S.A.

Inventor : BURTON EDWARD.

Application No. 689/Cal/1996 filed on 15.4.96.

(Convention No. PN-2508 filed on 20.4.95 in Australia).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office, Kolkata

7 Claims

A pivot joint in a wiper blade assembly, said pivot joint comprising:

a primary channel member (11) with a base wall (12) and a side wall (13) depending from each longitudinally extending edge of said base wall;

a secondary channel member (14) with a base wall (15) and a side wall (16) depending from each longitudinally extending edge of said base wall located such that said secondary channel member nests within said primary channel member;

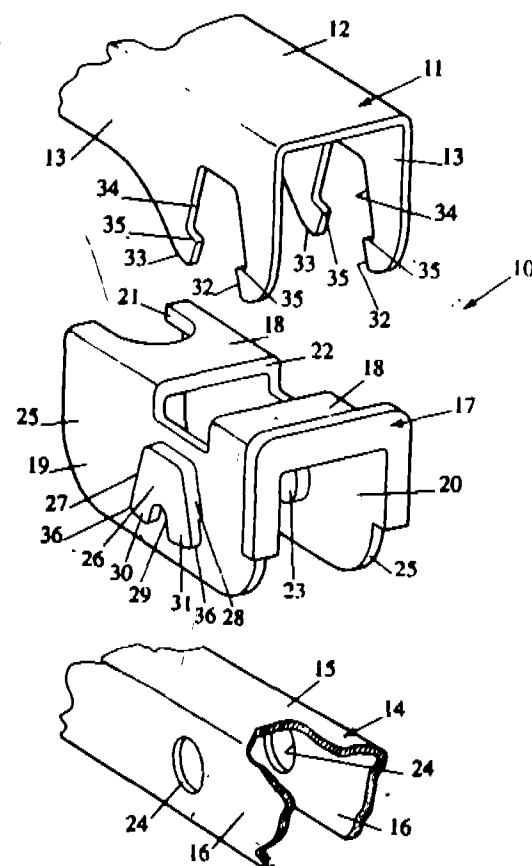
an insert member (17) of channel configuration with a base wall (18) and a side wall (19) depending from opposed edges of said base wall with said insert member located between said primary and said secondary channel members;

said insert member with a circular solid trunnion (23) extending inwardly from each said insert member side wall and engaged within a circular bearing aperture (24) in a respective said side wall of said secondary channel member, whereby said secondary channel member may rotate with respect to said insert member;

said insert member comprising a projection (26) extending outwardly from each said insert member side wall, each said projection being engaged outwardly in an aperture (34) in a respective said side wall of the primary channel member, each said projection corresponding in shape to the part of the aperture in which it is engaged,

characterised in that each said projection (26) is of non-circular form, each said non-circular projection being engaged outwardly in a non-circular slot (34) in a respective said side wall of the primary channel member, each said non-circular projection corresponding in shape to the part of the slot in which it is engaged, whereby rotation of said non-circular projection in said slot, and of thus said primary channel member with respect to said insert member, is prevented,

each said slot opening onto a lower edge (33) of the side wall in which the slot is formed and said slots further comprising retention means (35) to retain the non-circular projections engaged therewith.

Fig 1.

(Comp. Specn. : 13 Pages.

Drng. Sheets : 4)

Ind. Cl. : 55 E₄.

188167

Int. Cl.⁴ : A 61 K 39/00, C 12 P 21/08, C 07 K 15/00.**A METHOD OF PRODUCING A MONOCLONAL ANTIBODY REACTIVE TO HUMAN CHOLESTROL ESTER TRANSFER PROTEIN (CETP).**

Applicant : JAPAN TOBACCO INC. OF 2-1, TORANOMON 2-CHOME, MINATO-KU, TOKYO 105, JAPAN.

Inventor (s) : 1. KAMADA MASAFUMI, 2. OKAMOTO HIROSHI & 3. TAMATANI TAKUYA.

Application No. 782/Cal/96, filed on 30.4.96.

(Convention No. 134836/1995 filed on 2.5.95 in Japan).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office, Kolkata.

2 Claims

A method of producing a monoclonal antibody reactive to Human Cholesterol Ester Transfer Protein (CETP) comprising the steps of

a. Culturing hybridoma cells in a nutrient medium, wherein said hybridoma is selected from the group consisting of :

- (i) a hybridoma identified by an International Deposit Accession Number, FERM BP-4944; or
- (ii) a hybridoma identified by an International Deposit Accession Number, FERM BP-4945.

(b) recovering the monoclonal antibody from the culture.

(Compl. Specn. : 84 Pages. Drng. Sheets : 25)

Ind. Cl. : 194 C 1. 188168

Int. Cl.⁴ : H 01 J—29/00.

A CATHODE RAY TUBE.

Applicant : HITACHI LTD. OF 6, KANDA SMUGADAI, 4-CHOME, CHIYODA-KU, TOKYO 101, JAPAN.

Inventor : MISONO MASAYOSHI.

Application No. 798/Cal/96, filed on 1.5.96.

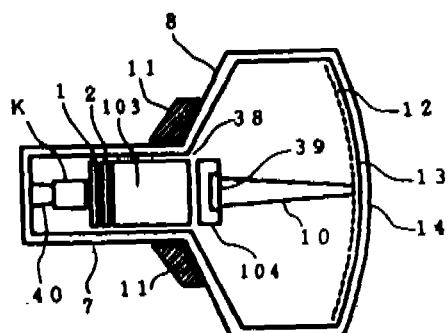
(Convention No. 7-114755, filed on 12.5.95 in Japan).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office, Kolkata.

25 Claims

A cathode ray tube comprising at least one electron gun comprising a cathode (K) for generating an electron beam and a plurality of electrodes (1,2,5,6) comprising a focus electrodes (5) and an anode (6) forming a main lens (38) for focussing said electron beam, an electron beam deflection device (11), a phosphor screen (13), and pole pieces (39) of magnetic material disposed within a cup-shaped shield cup disposed downstream of said anode, and positioned in a deflection magnetic field produced by said electron beam deflection device, characterized in that said cathode ray tube comprising pole pieces (39) of magnetic material in a deflection magnetic field produced by said electron beam

FIG. 5



deflection device (11) for establishing at least one non-uniform magnetic field on each side of a central path of said electron beam at zero deflection for correcting deflection

defocusing corresponding to deflection of said electron beam, and said pole pieces being (i) disposed within 50 mm from an end a magnetic core on a cathode side thereof of said electron beam deflection device toward said cathode of said electron gun (ii) supported by a cup-shaped electrode having at least one electron beam hole in a bottom thereof on a cathode side thereof, and (iii) spaced from said at least one electron beam hole toward said phosphor screen (13).

(Compl. Specn. : 167 Pages. Drng Sheets : 54)

Ind. Cl. : 40 H. 188169

Int. Cl.⁴ : B 01 D —53/34.

PROCESS AND INSTALLATION FOR PRODUCING SULPHUR DIOXIDE FREE EXHAUST/FLUE GASES, EMANATING FROM INDUSTRIAL/TECHNOLOGICAL PROCESSES/PLANTS.

Applicant : METALLURGICAL & ENGINEERING CONSULTANTS (INDIA) LIMITED OF DORANDA, RANCHI-834 002, BIHAR, INDIA.

Inventor (s) : 1. MURTOZA MIR GULAM & 2. PURI SATISH CHAND.

Application No 1116/Cal/96, filed on 17.6.96.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office, Kolkata.

16 Claims

A process for producing sulphur dioxide-free exhaust/flue gases, emanating from industrial/technological processes/plants, with a view to prevent environmental pollution, said process comprising the steps of :

- (a) subjecting the exhaust/flue gases containing sulphur dioxide to scrubbing with a washing fluid, constituted of a lime solution and a monobasic/polybasic carboxylic acid, such as herein described, in a scrubber having impingement plates, arranged and disposed therewithin such that the exhaust/flue gases and the washing fluid are caused to flow cross-currently to each other, and to have sufficient contact through a predetermined retention period for appropriate reaction therebetween, resulting in desired removal of sulphur dioxide from the exhaust/flue gases, the washing fluid/gas ratio in the scrubber being maintained from 1.5 to 2.1/Nm³, and the pH of the washing fluid being kept between 5 and 8;
- (b) allowing the exhaust/flue gases, substantially free from sulphur dioxide, to emit from the scrubber, and pumping out the resultant slurry from the scrubber to a settling tank for separation of the slurry into water and sludge, the latter having no leaching property; and

- (c) recirculating the water, so separated, to the source for the washing fluid.

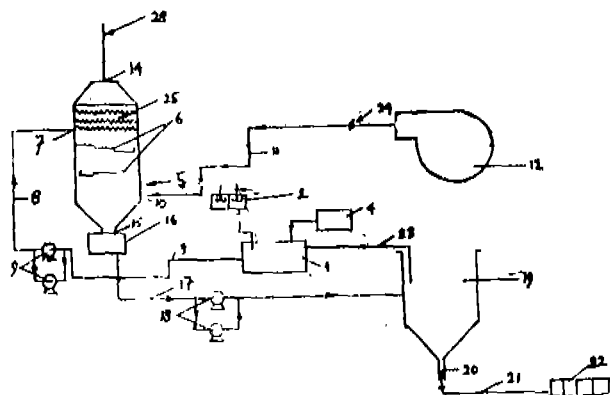


FIG. 1

(Compl. Specn. : 17 Pages.

Drng. Sheets : 2)

Ind. Cl. : 55 D₂.

188170

Int. Cl.⁴ : A 01 N 65/00.

A PROCESS FOR PREPARING A BIOPESTICIDE TO RESIST TERMITES

Applicant : SRI KASHYAP GOGOI OF KRISHNAPUR, BELTOLA GUWAHATI-28, INDIA.

Inventor : SRI KASHYAP GOGOI.

Application No. 40/Cal/2000, filed on 27.1.2000.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office, Kolkata.

1 Claim

A process for preparing a bio pesticide to resist termites, which comprises of the following steps :

Step 1

Preparation of Juice of carica Papaya (immature), by the method as herein described :

Step 2

Preparation of Juice of Nephrodium Cucullatum, by the method as herein described :

Step 3

Mixing of the Juices of Step 1 and Step 2 in the ratio 1 : 3 by weight.

Step 4

Mixing the material obtained from step 3 with water in the ratio 1:1 by weight to obtain the desired bio-pesticide.

(Comp. Specn. : 8 Pages.

Drng. Sheet : 0)

Ind. Cl. : 206E.

188171

Int. Cl. : G 06F 9/00.

A COMPUTER DEVICE.

Applicant : INTERNATIONAL BUSINESS MACHINES CORPORATION, A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATES OF NEW YORK, U.S.A., OF ARMONK, NEW YORK 10504, U.S.A.

Inventor(s) : JAMES LEE COMBS—U.S.A., DWAYNE THOMAS CRUMP—U.S.A. STEVEN TAYLOR PANCOAST—U.S.A.

Application for Patent No. 799/Del/93, filed on 30.7.93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 008.

13 Claims

A computer device having multi level power management comprising:

- a central processing unit (CPU) capable of executing a code,
- a control unit in circuit connection with said CPU, said control unit controlling the transition of said computer between any of the three states of power management, namely, a normal operating state, standby state and suspended state and at least one other of said state in response to at least one of the plurality of preselected events,
- at least one peripheral device in circuit connection with said CPU and control unit, and
- a power supply means in circuit connection with said CPU and said control unit.

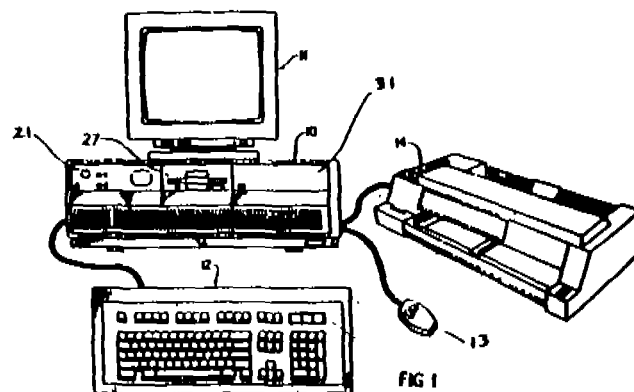


FIG. 1

(Comp. Specn. : 98 Pages.

Drng. Sheets : 36)

Ind. Cl. : 13C.

188172

Int. Cl.⁴ : B29C-017/00; 059/00; 067/00.

A SHEET TO BE USED IN THE DISPOSABLE CONTAINERS ITS METHOD AND APPARATUS FOR MANUFACTURING THE SAME.

Applicant : E. KHASHOGGI INDUSTRIES, LLC., A DELAWARE LIMITED LIABILITY COMPANY OF 800 MIRAMONTE DRIVE, SANTA BARBARA, CALIFORNIA 93109, UNITED STATES OF AMERICA.

Inventor(s) : PER JUST ANDERSEN-DENMARK, SIMON KNIGHT HODSON-US.

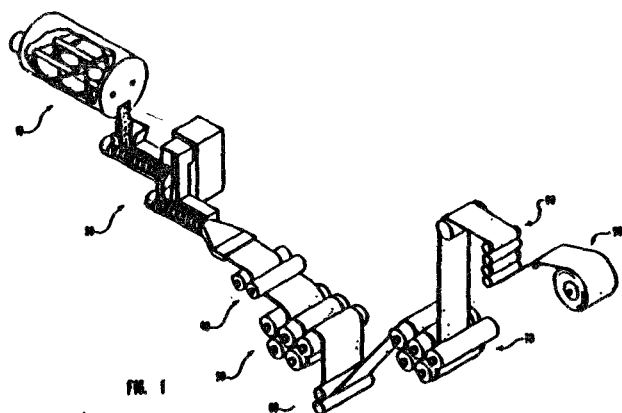
Application for Patent No. 1302/Del/93, filed on 19.11.93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 008.

60 Claims

A sheet to be used in the disposable containers and/or packaging made by shaping, extruding and drying a moldable mixture to form a sheet, comprising:

- (a) 5-50% of water;
- (b) 1-50% by volume of total solid contents water-dispersable organic polymer binder selected from the group consisting of a starch-based polymer, a cellulose-based polymer, a protein-based material, and a polysaccharide material;
- (c) 0.5-50% by volume of total solid contents fibrous material such as herein described;
- (d) 40-98% by volume of total solid contents an inorganic aggregate material, the inorganic aggregate material optionally comprising individual particles that are size optimized in order to achieve a predetermined particles packing density of the aggregate of at least 0.65, especially at least 0.85 and;



optionally other components such as plasticizers, lubricants dispersants, hydraulically settable binders, lubricants, air void forming agents and coating materials wherein the dried mixture comprises a substantially hardened inorganically

filed matrix comprising inorganic aggregate material and organic fibers held together by the organic polymer binder.

(Compl. Specn. : 221 Pages.

Drng. Sheets : 15)

Ind. Cl. : 32 C.

188173

Int. Cl.⁴ : C 12 N 1/00.

A PROCESS FOR PREPARING A PROTEIN ISOLATE.

Applicant : B.M.W. CANOLA INC., A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF CANADA OF 64 NIAGARA STREET, WINNIPEG, MANITOBA, CANADA R3N 0T9.

Inventor : EDWARD DONALD MURRAY—CANADA

Application for Patent Number 241/Del/97 filed on 30th Jan. 97.

Convention date 31.1.1996/08/549,909/U.S.A.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

27 Claims

A process for preparing a protein isolate in powdered form, which comprises :—

- (a) extracting an oil seed meal having a fat content up to 10 wt% of the meal with an aqueous food grade salt solution having an ionic strength of at least 0.2 and at a pH of 5 to 6.8 at a temperature of 5° to 35°C to cause solubilization of protein and fat in said oil seed meal and form an aqueous protein solution,
- (b) separating in a manner as herein described the said aqueous protein solution from residual oil seed meal,
- (c) removing in a manner as herein described fat from the said aqueous protein solution to provide a defatted protein solution,
- (d) increasing in a manner as herein described the protein concentration of said defatted protein solution while maintaining the ionic strength thereof substantially constant to form a concentrated defatted protein solution,
- (e) diluting the said concentrated defatted protein solution to an ionic strength below 0.2 to cause the formation of discrete protein particles in the aqueous phase at least partially in the form of protein micelles,
- (f) setting the said protein micelles to form a mass of protein isolate at least partially in the form of an amorphous sticky gelatinous, gluten-like protein micellar mass,
- (g) separating in a manner as herein described the said protein isolate from supernatant liquid, and
- (h) drying the separated protein isolate to provide a dried proteinaceous powder having a protein content of at least about 90 wt%.

(Compl. Specn. : 21 Pages.

Drng. Sheets : 2)

Ind. Cl. : 55 E.

188174

Int. Cl.⁴ : C11B 5/00 C11B 13/00.

AN IMPROVED PROCESS FOR THE SIMULTANEOUS PRODUCTION OF ARTEMISININ AND ESSENTIAL OIL FROM THE PLANT ARTEMISIA ANNUA.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (XXI OF 1860).

Inventor(s) : DHARAM CHAND JAIN—INDIAN, SUDEEP TANDON—INDIAN, RAJINDRA SINGH BHAKUNI—INDIAN, MOHAMMED SHAFIQUE SIDDIQUE—INDIAN, ATUL PRAKASH KAHOL—INDIAN, RAM PRAKASH SHARMA—INDIAN, SUSHIL KUMAR—INDIAN.

Application for Patent Number 652/Del/97 filed on 17th March, 1997

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005

4 Claims

An improved process for the simultaneous production of essential oil and artemisinin from the plant *Artemisia annua* which comprises (i) extracting dried aerial part of *A. annua* plant with a non polar organic solvent, (ii) partitioning the above extract with water miscible organic solvent in liquid-liquid extraction column for a time range of 3-6 hours, (iii) obtaining essential oil containing residue by concentrating organic phase and artemisinin by concentrating water miscible organic phase, (iv) purifying artemisinin by conventional chromatographic method and hydrodistilling the essential oil residue obtained in step (iii) and the marc (extracted plant material) obtained in step (i) for a time range of 3-4 hrs to get essential oil.

(Compl. Specn. : 11 Pages.

Drgn. Sheet : Nil)

Ind. Cl. : 55 E 4.

188175

Int. Cl.⁴ : A61K 31/65.

THE PRODUCTION OF COATED DOXYCYCLINE HYCLATE PELLETS.

Applicant : JAGSON PAL PHARMACEUTICALS LTD., T-210J, SHAHPUR JAT, NEW DELHI-49, (A COMPANY DULY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1956.

Inventor : RAJ PAL SINGH KOCHHAR—INDIAN.

Application for Patent Number 396/Del/98 filed on 17th Feb. 1998.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

3 Claims

A process for the manufacture of delayed release pellets/capsules of Doxycycline hyclate comprising, blending doxycycline hyclate, conventional ingredients, and excipients as herein described to form, granulated mass with hydroalcoholic solution, said granulated mass is passed through an extruder followed by spheronization in a manner as herein described and said pellets sprayed under controlled conditions as herein described, the temperature of the inlet air to the fluid bed coater is kept at 56°C, product temperature maintained at 37°C, and outlet air temperature kept at 36°C, finally coated pellets so produced are dried in fluid bed coater for 10 to 15 minutes.

(Compl. Specn. : 13 Pages.

Drgn. Sheet : Nil)

Ind. Cl. : 89.

188176

Int. Cl.⁴ : B01J 1/00.

AN APPARATUS FOR DETECTING NUCLEOTIDE TARGET SEQUENCE IN A LIQUID MEDIUM.

Applicant : LORNE PARK RESEARCH, INC., OF 20 QUEEN STREET WEST, TORONTO ONTARIO, CANADA M5H, 3R3,

Inventor(s) : EILEEN XIAO-FENG NIE—CHINA, YUAN MIN WU—CHINA.

Application for Patent Number 486/Del/98 filed on 26th Feb. 1998.

Convention date 27.2.1997. 6.6.97/08/807,901 & 08/870,370/U S.A.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005

14 Claims

An apparatus for detecting at least one single stranded or double stranded nucleotide target sequence in a liquid medium, said apparatus comprising :

a container adapted to contain said liquid medium and at least one PNA probe having a fluorescent marker, capable of forming a hybridization complex with said at least one said target sequence;

means provided in sequence with the said container or separating unhybridized PNA probe from said hybridization complex to form a test medium;

a laser source provided in sequence with the said means for irradiating said test medium with a laser beam having a wavelength which excites said fluorescent marker and causes said fluorescent marker to emit fluorescent light;

a fluorescence detector for measuring an intensity of said emitted fluorescent light emitted by the liquid medium in the said container wherein said measured intensity inversely proportional to a number of base mismatches between said at least one target sequence and said PNA probe, over a range inclusive of 0 base mismatches through at least 3 base mismatches;

an output device for receiving and comparing said measured intensity with a reference intensity received from the detector to detect whether said liquid medium contains at least one target sequence,

wherein said PNA probe, said nucleotide sequence and said hybridization complex are not bound to a solid support.

(Compl. Specn. : 45 Pages. Drgn. Sheets : 48)

Ind. Cl. : 55 F. 188177

Int. Cl.⁴ : C12N 9/00, 15/55, 15/61.

A PROCESS FOR THE PRODUCTION OF A BETA-LACTAM.

Applicant : GIST-BROCADES B.V., OF WATERINGSEWEG 1, P.O.-BOX 1, 2600 MA DELFT, THE NETHERLANDS.

Inventor(s) : WILHELMUS THEODORUS ANTONIUS MARIA DE LAAT—NETHERLAND, JOHANNES CORNELIS GERARDUS PREUSTING—NETHERLAND, BERTUS PIETER KOEKMAN—NETHERLAND.

Application for Patent Number 516/Del/98 filed on 26th Feb. 1998.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

6 Claims

A process for the production of beta-lactum comprising the steps of :

- fermentation of a Penicillium strain of the kind such as herein described on an industrial scale in a fermentation medium comprising a carbon source selected from the group consisting of carbohydrates such as glucose, lactose, fructose, sucrose, maltodextrins, starch and inulin, glycerol, vegetable oils, hydrocarbons, alcohols such as methanol and ethanol, organic acids such as acetate and higher alkanolic acids, and a nitrogen source selected from the group consisting of urea, ammonia, nitrate, ammonium salts such as ammonium sulphate, ammonium phosphate and ammonium nitrate, and amino acids such as glutamate and lysine; and
- recovery in a known manner the said beta-lactam from the fermentation broth.

(Compl. Specn. : 34 Pages. Drgn. Sheets : 2)

Ind. Cl. : 32F₂C; 55E₂+E₄.

188178

Int. Cl.⁴ : C07D 295/00; A61K 31/00.

A PROCESS FOR PREPARATION OF THE COMPOUND 7-(3-AMINOMETHYL-4-METHOXYIMINOPYRROLIDIN-L-YL)-1-CYCLOPROPYL-6-FLUORO-4-OXO-DIHYDRO-1, 8-NAPHTHYRIDINE-3-CARBOXYLIC ACID METHANESULFONATE N. H₂O.

Applicant : LG CHEMICAL LIMITED 20, YOIDO-DONG, YONGDUNGPO-KU, SEOUL, REPUBLIC OF KOREA, A KOREAN COMPANY.

Inventor(s) : AE-RI-KIM—KOREA, JIN-HWA-LEE—KOREA, KI SOOK PARK—KOREA, JONG RYOO, CHOI—KOREA, TAE HEE LEE—KOREA, 'AY HYOKCHANG—KOREA, DO HYUN NAM—KOREA, HOON CHOI—KOREA.

Application for Patent Number 727/Del/98 filed on 23rd March 1998.

Convention date : 97-98.40; 21.03.97; Korea.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 008.

06 Claims

A process for the preparation of the compound 7-(3-aminomethyl-4-methoxyiminopyrrolidin-1-yl)-1-cyclopropyl-6-flouro-4-oxo-1, 4-dihydro-1, 8-naphthyridine-3-carboxylic acid methanesulfonate. nH₂O where n is in the range of from 1 to 4, which comprises reacting 7-(3-aminomethyl-4-methoxyiminopyrrolidin-1-yl)-1-cyclopropyl-6-flouro-4-oxo-1, 4-dihydro-1, 8-naphthyridine-3-carboxylic acid with methanesulfonic acid and crystallizing the resulting compound from solution, and where desired or necessary, adjusting the hydration of the compound by conventional method.

(Compl. Specn. : 34 Pages. Drgn. Sheets : 13)

Ind. Cl. : 55E₄.

188179

Int. Cl.⁴ : C12N-009/50; A61K-31/00.

A PROCESS FOR THE SYNTHESIS OF L-HISTIDINYL-D-TRYPTOPHANYL-XXX-L-TRYPTOPHANYL-D-PHENYLALANYL-LYSINYL-AMIDE USEFUL AS THERAPEUTIC AGENTS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG NEW DELHI-110 001 INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor(s) : BIJOY KUNDU, GEETA SINGH, ALKA TRIPATHI, GIRISH KUMAR JAIN & RAM RAGHUBIR-ALL INDIAN.

Application for Patent No. 747/Del/98, filed on 24.3.98.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 008.

06 Claims

A process for the synthesis of L-histidinyl-D-tryptophanyl- D-alanyl-L-tryptophanyl-D-phenylalanyl-L-lysiny-N-amide of formula 1 of the drawing accompanying the specifications wherein XXX is selected from D-alanine, Mealanine, D-arginine, D-phenyl alanine, alfa amino isobutyric acid and dehydroalanine which comprises:

- (i) coupling of N- α -9-fluorenylmethoxycarbonyl-N-butylloxycarbonyl-L-lysine with p-alkoxy benzyl alcohol resin in presence of (BOC)₂O, dimethylamino pyridine and pyridine to get N- α -9-fluorenylmethoxycarbonyl-N-t-butylloxycarbonyl-L-lysiny-benzyl ester of formula 2 followed by benzoylation of the product to give benzoylated compound,
- (ii) deblocking the above said benzoylated compound with conventional deblocking agent selected from piperidine, DMF, isopropanol to get N-t-butylloxycarbonyl-L-lysiny-benzyl ester of resin of formula 3,
- (iii) coupling of compound of formula 3 with N- α -9-fluorenylmethoxycarbonyl-D-phenylalanine in presence of conventional coupling agent in an organic solvent at a temperature in the range of -15°C to 35°C to get dipeptide N- α -9-fluorenylmethoxycarbonyl-D-phenylalanyl-N-t-butylloxycarbonyl-L-lysiny-benzyl ester of polystyrene resin of formula 4,
- (iv) deblocking the dipeptide of formula 4, as said in step (ii) to get dipeptide of formula 5 followed by coupling of dipeptide of formula 5 with N- α -9-fluorenylmethoxy carbonyl L-tryptophan in presence of conventional coupling agents in an organic solvent to give tripeptide N- α - ϕ -fluorenylmethoxy carbonyl-L-tryptophenyl-D-phenylalanyl-N-t-butylloxycarbonyl-L-lysiny-resin of formula 6,
- (v) deblocking the above said tripeptide of formula 6 as described in step (ii) followed by coupling with N- α -9-fluorenylmethoxycarbonyl-XXX-OH wherein X is as stated in step (iii) to get tetrapeptide N- α -9-fluorenyl-methoxycarbonyl-XXX-L-tryptophanyl-D-phenylalanyl-N^t-t-butylloxycarbonyl-L-lysinybenzyl ester of formula 8,
- (vi) deblocking followed by coupling sequentially of tetrapeptide of formula 8 with N- α -9-fluorenylmethoxy carbonyl D-tryptophan to get penta-peptide, N- α -a-fluoranylmethoxy carbonyl-D-tryptophanyl XXX-L-tryptophenyl-D-phenylalannyl-

N-t-butylloxycarbonyl-L-lysiny-benzyl ester of polystyrene resin of formula 10,

- (vii) deblocking of pentapeptide of formula 10 followed by coupling with N- α -t-butylloxycarbonyl-N^m-t-butylloxycarbonyl-L-histidine to get N-t-butylloxycarbonyl N^m-t-butylloxycarbonyl-L-histidinyl-D-tryptophenyl-XXX-L-tryptophenyl-D-phenylalanyl-N^E-t-butylloxycarbonyl-L-lysiny-benzyl ester of polystyrene resin of formula 12.
- (viii) cleaving hexapeptide of formula 12 from the resin by treating with ammonia at room temperature to give semiprotected hexapeptide N- α -t-butylloxycarbonyl-L-histidinyl-D-tryptophanyl-XXX-L-tryptophanyl-D-phenylalanyl-N^t-t-butylloxycarbonyl-L-lysiny-N-amide of formula 13.
- (ix) treating semiprotected hexapeptide of formula 13 with mixture of trifluoroacetic acid, phenol, water, thiophenol, ethanedithiol to give hexapeptide of formula 1.

(Compl. Specn. : 20 Pages.

Drgn. Sheets : 08)

Ind. Cl. : 32F₁,

188180

Int. Cl. : C07C 233/78, A61K 31/165

A PROCESS FOR PREPARING HYDRATEON-[3-[[2-(3, 4-DIMETHOXYPHENYL) ETHYL) AMINO] PROPYL]-4-NITRO BENZAMIDE' HYDROCHLORIDE.

Applicant : SMITHKLINE BEECHAM P.L.C., A BRITISH COMPANY, OF NEW HORIZONS COURT, BRENTFORD, MIDDLESEX TW8 9 EP, ENGLAND.

Inventor(s) : PAUL JEFFREY WESTLAKE-ENGLAND, GRAHAM RALPH SLATER-ENGLAND.

Application for Patent Number 786/Del/98 filed on 26.03.98.

Convention date : 9706376.2; 27.03.97; UK.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 008.

05 Claims

A process for preparing hydrated N-[3-[[2-(3, 4-dimethoxyphenyl) ethyl] amino] propyl] 4-nitro benzamide hydrochloride having properties as hereinbefore described, said process is characterized in that N-[3-[[2-(3, 4-dimethoxyphenyl) ethyl] amino] propyl]-4-nitrobenzamide hydrochloride, is hydrated in a manner such as herein described in the presence 1.7 to 2.4 molar equivalents of water.

(Compl. Specn. : 12 Pages.

Drgn. Sheet : 01)

Ind. Cl. : 32F. 188181

Int. Cl.⁴ : C07C 15/04.

AN IMPROVED PROCESS FOR THE SEPARATION OF DIHYDROXYBENZENE ISOMERS USING ZEOLITE LTL.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (XXI OF 1860).

Inventor(s) : PRAMOD PRABHAKAR MOGHE—INDIAN, PRAKASH KONDIBA BAHIRAT—INDIAN, PRAPHULLA NARAHAR JOSHI—INDIAN, VASUDEO PANDURANG SHIRALKAR—INDIAN, SUJATA SUKRITI BISWAS—INDIAN.

Application for Patent Number 663/Del/93 filed on 29th June, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

3 Claims

An improved process for the separation of Catechol and Hydro-quinone (dihydroxybenzene isomers) characterized in using a zeolite catalyst such as herein described at a temperature ranging from 20° to 35°C which comprises passing the dihydroxybenzene mixture through a column containing the Zeolite as defined above, eluting the resultant adsorbent first with benzene and then with organic solvent except benzene at normal atmospheric pressure.

(Compl. Specn. : 9 Pages. Drgn. Sheet : Nil)

Ind. Cl. : 202 A. 188182

Int. Cl.⁴ : C 11D 10/00.

A DYE TRANSFER INHIBITING DETERGENT COMPOSITION.

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO 45202, UNITED STATES OF AMERICA.

Inventor(s) : ABDENNACEUR FREDJ—TUNISIA, JAMES PYOTT JOHNSTON—BELGIUM, FINLAY MACCORQUODALE—U.K., ALAN DAVID WILLEY—U.K., FREDERICK EDWARD HARDY—U.K., CHRISTIAAN ARTHUR THOEN—BELGIUM, ALFRED BUSCH—GERMANY.

Application for Patent Number 692/Del/93 filed on 6.7.1993.

Convention Application Number : 92202168.8/U.K./15.7.1992, 93201198.4/U.K./26.4.1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 008.

3 Claims

A dye transfer inhibiting detergents composition comprising :

- a dye transfer inhibitor from 0.0001% to 10% by weight of the composition having a ratio of amine to amine N-oxide of from 2:3 to 1:1,000,000 selected from the group consisting of poly (2-vinylpyridine-N-oxide), poly-2-(dimethylamino)-ethyl-methacrylate-N-oxide and poly-1-vinylimidazole-N-oxide; and
- a deterative surfactant 10 to 80% by weight of the composition;
- a deterative builder 5 to 60% by weight of the composition;
- optional other conventional detergent components such as herein described.

(Compl. Specn. : 27 Pages.

Drgn. Sheet : Nil)

Ind. Cl. : 179 D.

188183

Int. Cl.⁴ : B65 B 7/00.

A LINERLESS CLOSURE FOR A CONTAINER.

Applicant : H-C INDUSTRIES, INC., A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 1604 EAST ELMORE, CRAWFORDSVILLE, STATE OF INDIANA 47933, UNITED STATES OF AMERICA.

Inventor : HUGH VANNUYS MORTON—U.S.A.

Application for Patent Number 0881/Del/93 filed on 17.08.93.

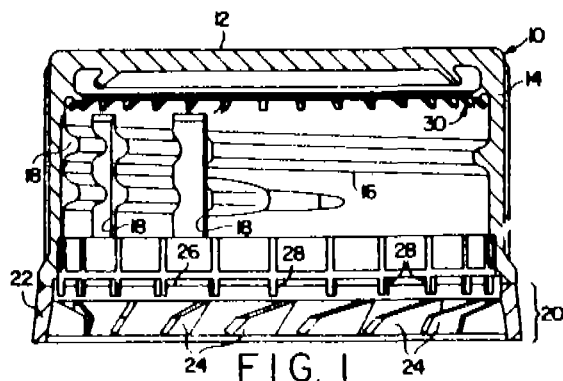
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

07 Claims

A linerless closure for a container, comprising a circular top wall portion;

an annular skirt portion, extending integrally from said top wall portion, said skirt portion including an internal thread formation configured for engagement with said container; and side-seal means extending inwardly from said skirt portion for sealingly engaging outwardly facing surface of said container, said side-seal means comprising an outer support annulus extending integrally inwardly from said skirt portion, and an inner sealing lip extending inwardly from said support annulus, said sealing lip being movable

to an upwardly extending disposition relative to said support annulus so that said sealing lip sealingly engages the outwardly facing surface of said container.



(Compl. Specn. : 15 Pages.

Drgn. Sheet : 1)

Ind. Cl. : 206 E

188184

Int. Cl.⁴ G 09 F 21/00.

A PORTABLE SELECTIVE CALL RECEIVER.

Applicant : MOTOROLA INC., A CORPORATION OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 1303 EAST ALGONQUIN ROAD, SCHAUMBURG, ILLINOIS 60196, UNITED STATES OF AMERICA.

Inventor(s) : JOHN RICHARD KANE—U.S.A., ROBERT JOHN SCHWENDEMAN—U.S.A.—JAMES A. WRIGHT—U.S.A.

Application for Patent Number 1012/Del/93 filed on 09.09.1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 008.

05 Claims

A portable selective call receiver comprising :

A first receiver for receiving messages transmitted over a first communication medium, each received message comprising address information, a message sequence identifier, and message data, the message sequence identifiers of transmitted messages identifying a transmission sequence of the transmitted messages that have the same address information;

A memory, coupled to the first receiver, for storing the received messages;

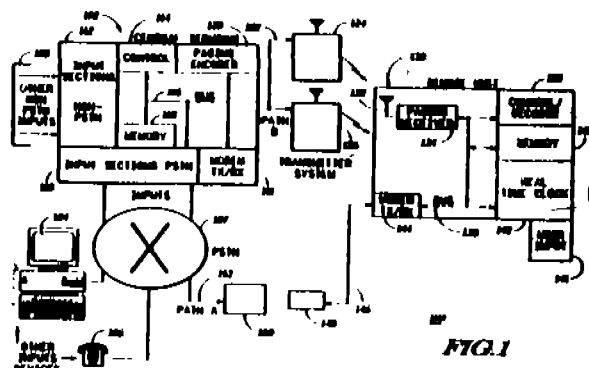
A decoder for matching the address information of a received message to a predetermined address;

CHARACTERIZED IN THAT

A received message sequence monitor is coupled to the receiver and to the decoder for monitoring the transmission

sequence of received messages that have said address information matching the predetermined address;

A missed message determiner, coupled to the received message sequence monitor, for determining that a transmitted message having address information matching the predetermined address was not received by the portable selective call receiver by detecting at least one received message having a message sequence identifier that is out of sequence with the transmission sequence of received messages.



(Compl. Specn. : 43 Pages.

Drgn. Sheets : 11)

Ind. Cl. : 40 A.

188185

Int. Cl.⁴ : B01 J 37/26.

A PROCESS FOR THE PRODUCTION OF A CHROMIUM-BASED CATALYST.

Applicant : IMPERIAL CHEMICAL INDUSTRIES PLC., A BRITISH COMPANY, IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON SW1P 3JF, ENGLAND.

Inventor(s) : JOHN GRAHAM ALLEN—UK & DANIEL HOWARD LEGG—UK.

Application for Patent Number 1016/Del/93 filed on 10.09.93.

Convention Application Number 9219720.1/U.K./17.09.92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

10 Claims

A process for the production of a chromium-based catalyst for use in fluorination process of organic compounds such as herein described, said process comprises :

- (a) treating a spent catalyst with aqueous potassium hydroxide to form a product comprising an aqueous potassium fluoride solution and solid hydrated chromium oxide;

- (b) separating in a conventional manner the solid hydrated chromium oxide from the aqueous potassium fluoride solution produced in step (a);
- (c) optionally washing the hydrated chromium oxide from step (b) at least once with water or an aqueous acid solution and optionally repeating step (b);
- (d) contacting the hydrated chromium oxide product of step (b) or (c) with an aqueous mineral acid to form chromium (III) salt and optionally adding a soluble salt of a metal selected from zinc, nickel and cobalt to the product of this step;
- (e) precipitating and separating hydrated chromium oxide from the product of step (d) by contact with an aqueous base; and
- (f) optionally washing, drying, calcining and pelleting the hydrated chromium oxide recovered from step (e) to produce the said catalyst.

(Compl. Specn. : 23 Pages.

Drng. Sheet : Nil)

Ind. Cl. : 65A₂.

188186

Int. Cl. : H02M—3/07

A POWER CONVERSION APPARATUS.

Applicant : D. C. TRANSFORMATION, INC., A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 217 ROWLEY RIDGE ROAD, TOPSFIELD, MASSACHUSETTS 01983, UNITED STATES OF AMERICA.

Inventor : RUDOLF LIMPAECHER—U.S.A.

Application for Patent Number 1065/Del/93, filed on 24.9.93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 008.

21 Claims

A power conversion apparatus comprising .

a plurality of capacitors connected in series; and

characterized in that a charging is connected to said plurality of capacitors, said charging circuit charging the plurality of capacitors from a voltage source to a predetermined voltage;

a polarity inverting circuit connected to the plurality of capacitors and for inverting the polarity of the charge stored in selected capacitors of said plurality of capacitors, said polarity inverting circuit having a plurality of inductor circuits, each said inductor circuit being switchably couplable to a corresponding different one of the said selected capacitors to form a resonant circuit which aids in inverting the polarity of a stored charge in that capacitors;

a discharging circuit connected to the plurality of capacitors and for extracting power for the plurality of capacitors at a transformed voltage; and

a control circuit connected to the charging circuit, the polarity inverting circuit, and the discharging circuit for controlling the operation of the charging circuit, the inverting circuit and the discharging circuit, said control circuit having operating means to operate the charging, inverting, and discharging circuits so as to establish a charging phase in which the charging circuit charges the plurality of capacitors, an inversion phase in which said inverting circuit to invert the polarity of said selected capacitors, and a discharge phase in which the discharge circuit extracts power from the plurality of capacitors.

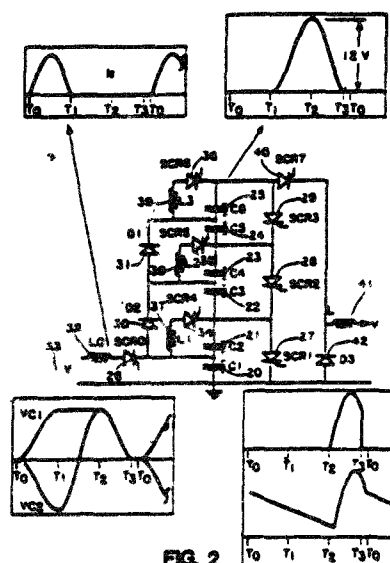


FIG. 2

(Compl. Specn. : 48 Pages.

Drng. Sheets : 12)

Ind. Cl. : 129Q

188187

Int. Cl. : B 23 K 28.00

AN IMPROVED WATER COOLED COMPACT TIG WELDING TORCH

Applicant : BHARAT HEAVY ELECTRICALS LTD. OF BHEL HOUSE SIRI FORT, NEW DELHI-110049, INDIA.

Inventor : AJIT KUMAR GARG—INDIA.

Application for Patent Number 1068/Del/93, filed on 27.9.93.

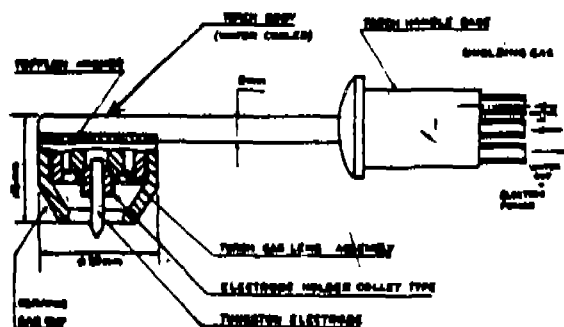
Complete left after Provisional filed on 28.12.94.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

8 Claims

An improved water cooled compact TIG welding torch comprising a torch handle base (2) provided with water inlet (8) and outlet (9) and shielding gas inlet (10), a torch

body (1) connected to a torch head (7) with a ceramic gas cap (6) characterised in that said torch head comprises a built in gas lense assembly (3) integral to said torch head (7) and a electrode holder (4) provided inside said torch head (7) for holding the tungsten electrode.



SCHEMATIC LAYOUT OF HIGH WATER COOLED TORCH WITH GAS LENSE ASSEMBLY

Fig. 1

(Compl. Specn. : 8 Pages.

Drng. Sheet : 1)

(Prov. Specn. : 3 Pages.

Drng. Sheet : Nil)

Ind. Cl. : 114 A.

188188

Int. Cl.⁴ : C14 C 9/00, 9/02, C14 C 1/4, C14 C 11/00.

AN IMPROVED PROCESS FOR THE PRODUCTION OF DELIMED SKINS/HIDES.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA (AN INDIAN REGISTERED BODY INCORPORATED UNDER REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor(s) : S/SHRI HANUMANTU PURUSHOTHAM—INDIA, NARASIMHAN KANNAN CHANDRA BABU—INDIA, DURAISWAMY LAKSHMANAN—INDIA, JOGENDRA KUMAR KHANNA—INDIA & KONDAPURAM VIJAYA-RAGHAVAN—INDIA.

Application for Patent Number 1090/Del/93 filed on 30.09.93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

04 Claims

An improved process for the production of delimed skins/hides which comprises washing limed skin/hide with water for 10 minutes, again washing the said skin/hide with fresh water & 0.2 hydrogen peroxide by weight of skin/hide for 15 minutes, followed by passing carbondioxide through recirculation loop at a flow rate of 5 to 15 liter/minute for a period ranging from 45 mins.-1 hours at a temperature in the range of 30-34°C while constantly agitating the reaction

mixture in the tunning drum, by maintaining the pH at a range 6.5 to 7.0.

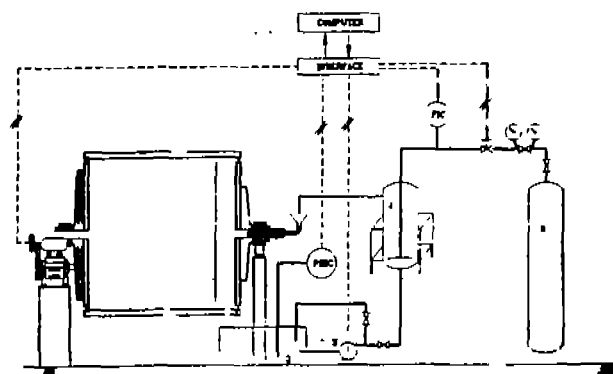


Fig. 2

(Compl. Specn. : 09 Pages.

Drng. Sheets : 2)

Ind. Cl. : 173 B.

188189

Int. Cl.⁴ : B05 B 5/00.

TRIBO-ELECTRIC POWDER SPRAY GUN.

Applicant : NORDSON CORPORATION, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF 28601 CLEMENS ROAD, WESTLAKE, OHIO 44145, UNITED STATES OF AMERICA.

Inventor(s) : CURTIS B. HALLER—U.S.A., ALAN J. KNOBBE—U.S.A. & GERALD W. CRUM—U.S.A.

Application for Patent Number 1095/Del/93 filed on 30.09.93.

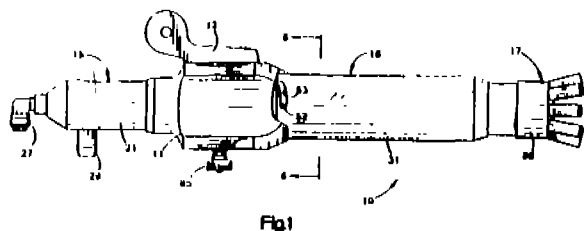
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

24 Claims

A tribo-electric powder spray gun, which comprises: means for mixing powder with a conveying gas;

a charging section downstream of the mixing means, the charging section including means for electrically charging the powder as it flows therethrough, the charging means comprising an inner core positioned within a hollow outer cylinder, the outer cylinder having an inner surface, the inner core having an outer surface, an annular gap being formed between the outer cylinder and inner core providing a friction charging flowpath for the powder, the outer surface of the inner core and the inner surface of the outer core each have a plurality of increases and decreases providing undulating charging surfaces, the outer surface of the inner core increasing at generally the same longitudinal position that the inner surface of the outer cylinder increases, the outer surface of the inner core decreasing at generally the same longitudinal position that the inner surface of the outer cylinder decreases, the charging surfaces of the inner core and the outer cylinder each made of electrically insulating

material whereby the powder is frictionally charged by repeated contact with the cylinder or the core during glow through the annular gap and a sprayhead at the outlet of the charging section for dispensing the charged powder.



(Compl. Specn. : 29 Pages.

Drng. Sheets : 07)

Ind. Cl. : 116 D.

188190

Int. Cl.⁴ : B01 F 4/00, B01 D 15/08, B01 D 53/04.

A PARTICLE LOADER APPARATUS FOR LOADING PARTICLES INTO A VESSEL.

Applicant : PRAXAIR TECHNOLOGY, INC., A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, WITH AN OFFICE AT 39 OLD RIDGEBURY ROAD, DANBURY, STATE OF CONNECTICUT 06810-5113, UNITED STATES OF AMERICA.

Inventor(s) : JEFFERT JOHN NOWOBILSKI—U.S.A., JAMES STANLEY SCHNEIDER—U.S.A/

Application for Patent Number 1098/Del/93 filed on 01.10.93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

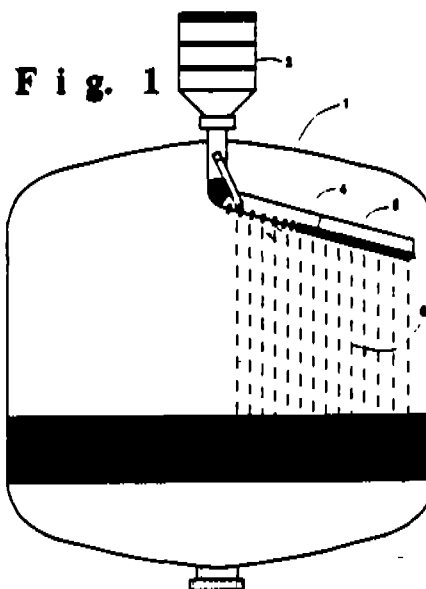
09 Claims

A particle loader apparatus for loading particles into a vessel, the apparatus comprising:

- (a) a feed hopper (7) for providing a supply of particles to be loaded in a vessel (1);
- (b) a feed cone (8) positioned below the feed hopper (7) to facilitate the passage of particles from the feed hopper (7).
- (c) a rotary arm (4) positioned below said feed cone (8) and in the upper portion of the vessel (1) and extending in length downward in the vessel (1) from the center portion of the vessel (1) to the vicinity of the wall thereof, said rotary arm (4) enabling the flow and distribution of particles passing to the vessel from the feed hopper (7) along the downwardly extending length of said rotary arm (4), with said rotary arm (4) having an upper portion at the centerline of the vessel, (1) an elbow section (19)

and a lower portion extending outward and downward in the direction of the wall of the vessel (1), said lower portion of the rotary arm (4) having holes (5) therein positioned so that particles passing therethrough fall in a uniform flow pattern across the cross sectional area of the vessel (1) as the lower portion of the rotary arm (4) is rotated in the vessel;

- (d) a driver (9, 10) for the rotation of said feed hopper (7), feed cone (8) and rotary arm (4), the lower portion of said rotary arm (4) thereby being moved in a rotational pattern around the interior of the vessel (1) in the upper portion thereof; and
- (e) controls (16) positioned between the feed cone (8) and said rotary arm (4) for controlling the passage of particles from said feed hopper (8) into said downwardly extending rotary arm (4), said controls being rotatable by said driver whereby a uniformly packed bed of particles is formed upon loading of the vessel (1) thereby.



(Compl. Specn. : 27 Pages.

Drng. Sheets : 09)

Ind. Cl. : 69 P.

188191

Int. Cl.⁴ : H 01 H 9/24 H 02 B 11/00.

WITHDRAWABLE RACK FOR A SWITCHING DEVICE.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF WITTELSBACHERPLATZ 2, 80333, MUENCHEN, GERMANY.

Inventor : 1. AHLERT TORSTEN & 2. DEYLITZ ERHARD.

Application No. 24/Cal/96, filed on 5.1.96.

(Convention No. 19501928.8 filed on 10.1.95 in Germany)

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972) Patent Office Kolkata

10 Claims

Withdrawable rack (1) for a switching device which is arranged movably and has an isolating contact arrangement and a protective device which is actuable by a travelling movement of the switching device and affords protection against touching live parts of the isolating contact arrangement, the protective device having a control and slotted lever (7, 8, 10, 11) arrangement which is to be actuated by the switching device, as well as an insulating protective plate (5, 6) which can be displaced by the control and slotted lever (7, 8, 10, 11) arrangement characterized by the following features :

- the control and slotted lever (7, 8, 10, 11) arrangement comprises two levers which are connected to one another in an articulated manner, one of which is designed as a slotted lever (10, 11) and has a slot (16) for the engagement of a guide pin (20) of the other lever, which is designed as a control lever (7, 8) which is to be actuated by the switching device,
- the slotted lever (10, 11) can be moved about a pivot bearing (39) in the form of a pin (12) fitted on the withdrawable rack (1) and, at its end opposite to the pivot bearing (39), is provided with a pivot arm (14) for the protective plate (5, 6).
- the control lever (7, 8) is prestressed, by a restoring helical tension spring (31) with respect to the slotted lever (10, 11) in such a way that the guide pin (20) of the control lever (7, 8) is situated near to the pivot bearing of the slotted lever (10, 11) in the rest position, and the control lever (7, 8) together with its guide pin (20), is displaceable, after an actuation of the protective plate (5, 6) along the slot (16) counter to the action of the restoring helical tension spring (31), without any further pivoting of the slotted lever (10, 11).

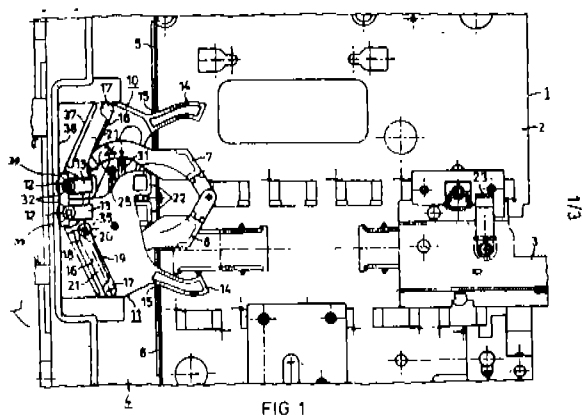


FIG 1

(Compl. Specn. : 15 Pages.

Drng. Sheets : 3)

Ind. Cl. : B 65 C 1/02.

188192

Int. Cl.⁴ : B 65 C 9/32.

AN APPARATUS FOR ATTACHING LEAVES TO LAID FLAT WORKPIECES.

Applicant : WINDMOLLER & HOLSCHER OF MUNSTERSTR. 50 49525 Lengerich, GERMANY.

Inventor(s) : 1. ACHELPOHL FRITZ, 2. FELDKAMPER RICHARD, 3. KAMPSCHULTE ANDREAS, 4. KOHN UWE.

Application No. 50/Cal/96 filed on 11.1.96.

(Convention No. 19502255.6 filed on 25.1.95 in Germany).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Kolkata.

9 Claims

An apparatus for attaching leaves to laid flat workpieces, comprising :

a frame with a plate over which the tubular sections or workpieces are continuously fed by means of a conveyor device;

a pair of conveyor rollers, arranged in a gap of the plate and mounted in the frame, defining a roller gap substantially aligned with the surface of the plate, whose bottom roller is a counterpressure roller, and whose top roller is a suction cylinder;

a conveyor cylinder cooperating with the suction cylinder, for successively delivering the leaves to the suction cylinder; and

a fishtail nozzle directed toward the roller gap for blowing heated air into the roller gap in a controlled manner.

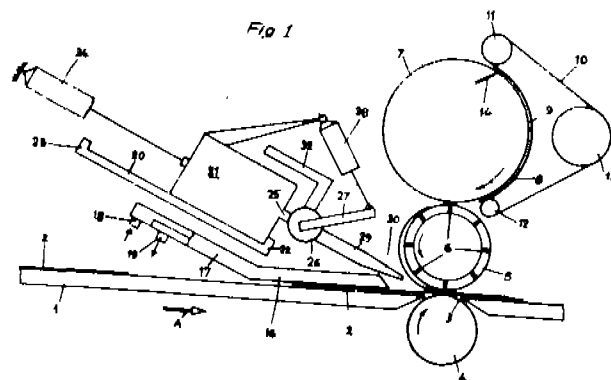


FIG 1

(Compl. Specn. : 9 Pages.

Drng. Sheets : 2)

Ind. Cl. : 29 B.

188193

Int. Cl.⁴ : G 06 F—15/24.

A SYSTEM FOR COLLECTING DATA ON TOILET TISSUE USE AT A PARTICULAR LOCATION.

Applicant : KIMBERLYCLARK WORLDWIDE INC. OF 401 NORTH STREET NEENAH, WISCONSIN 54956, UNITED STATES OF AMERICA.

Inventor(s) : 1. GEMMELL M. BRUCE, 2. FRAZIER D. ALAN, 3. MCCONNELL JAMES WESLEY.

Application No. 306/Cal/96 filed on 20.2.96.

(Convention No. 08/395,771 filed on 28.2.95 in U.S.A.).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Kolkata.

19 Claims

A system for collecting data on toilet tissue use at a particular location, comprising :

sensing means (12) for sensing one or more characteristics of toilet tissue use at a particular dispensing location; and

control means (14) in communication with said sensing means, for analysing and recording data from said sensing means, whereby toilet tissue use at the dispensing location can be monitored and studied.

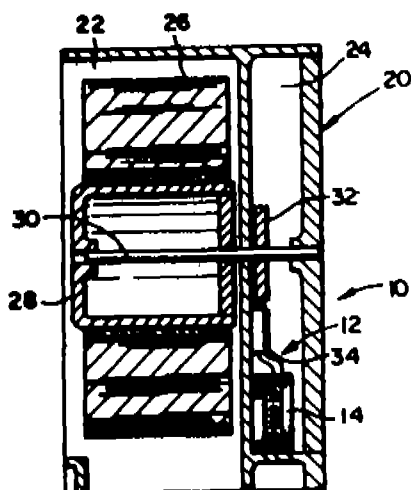


FIG. 1

(Compl. Specn. : 12 Pages.

Drgn. Sheets : 3)

Ind: Cl. : 173 A.

188194

Int. Cl.⁴ : A 01 M 1/20.

INSECT BAIT STATION.

Applicant : S.C. JOHNSON & SON, INC. OF 1525 HOWE STREET, RACINE, WISCONSIN 53403, UNITED STATES OF AMERICA.

Inventor : MARK E. WEFLER.

Application No. 25/Cal/96 filed on 5.1.96.

(Convention No. 08/371,239 filed on 11.1.95 in U.S.A.).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Kolkata.

14 Claims

An insect bait station (10, 110, 210, 310) for offering a liquid insect bait to targeted insects comprising a hollow body having a base (12, 122, 212, 312) and a cover (14, 114, 214, 314), the cover joined to the base (12, 112, 212, 312) in substantially liquid-tight relation;

(a) the base (12, 112, 212, 312) having a floor (18, 118, 218, 318) and a base rim (20, 120, 220, 320) at the periphery of the floor (18, 118, 218, 318),

characterised in that, the bait station further comprises :

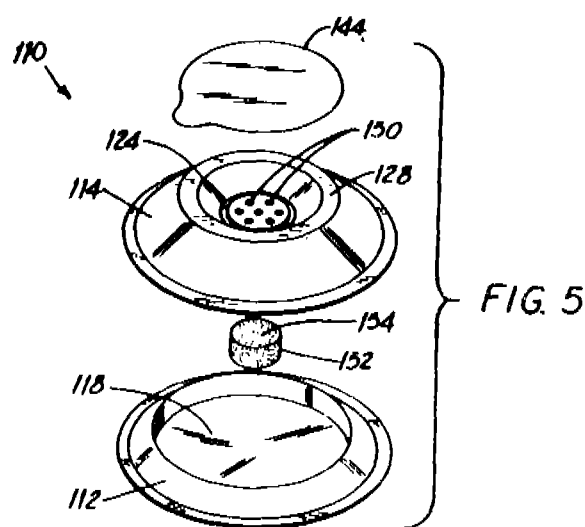


FIG. 5

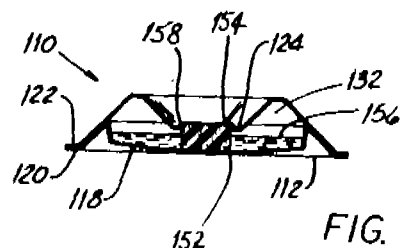


FIG. 6

(b) the cover (14, 114, 214, 314) having a cover rim (22, 122) opposed to the base rim (20, 120, 220, 320), a stage (24, 124, 224) positioned generally parallel to and above the floor (18, 118, 218, 228, 318), an ascending ramp (26, 126, 226, 326) defined by inwardly inclined walls extending upwardly from the cover rim (22, 122) to a cover mount (28, 128, 228, 328), and a descending ramp (30, 130, 230, 330) defined by inwardly inclined walls extending downwardly from the cover mount (28, 128, 228, 328) to the stage (24, 124, 224, 324) interiorly facing

surfaces of the floor and the cover defining holding chamber (32, 132, 232) wherein liquid insect bait may be confined; and

- (c) spill resistant access means (34, 150, 264, 382) for providing a targeted insect located on the stage (24, 124, 224, 324) access to liquid insect bait confined within the holding chamber (32, 132, 232), the spill resistant access means (34, 150, 264, 382) comprising capillary liquid transport means (36, 152, 268, 382) for transporting the liquid insect bait upwardly from the floor (18, 118, 218, 318) to a location where it is accessible to a targeted insect.

(Compl. Specn. : 19 Pages.

Drgn. Sheets : 5)

Ind. Cl. : 131 B4.

188195

Int. Cl.⁴ : E 21 B—4/00 B 23 B 41/00.

AN APPARATUS FOR STEERING A ROTATING DRILL STRING.

Applicant : THE VALIDUS INTERNATIONAL COMPANY LLC OF 5430 LBJ FREEWAY, SUITE 1550, DALLAS, TEXAS 75240, UNITED STATES OF AMERICA.

Inventor : FRANK JOSEPH SCHUH.

Application No. 843/Cal/96 filed on 9.5.96.

(Convention No. 08/446,006 filed on 19.5.95 in U.S.A.).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Kolkata.

11 Claims

An apparatus for steering a rotating drillstring in a borehole (1), said apparatus having a stabilizer sub (3) for attachment into a drillstring, a stabilizer body (13) rotatably

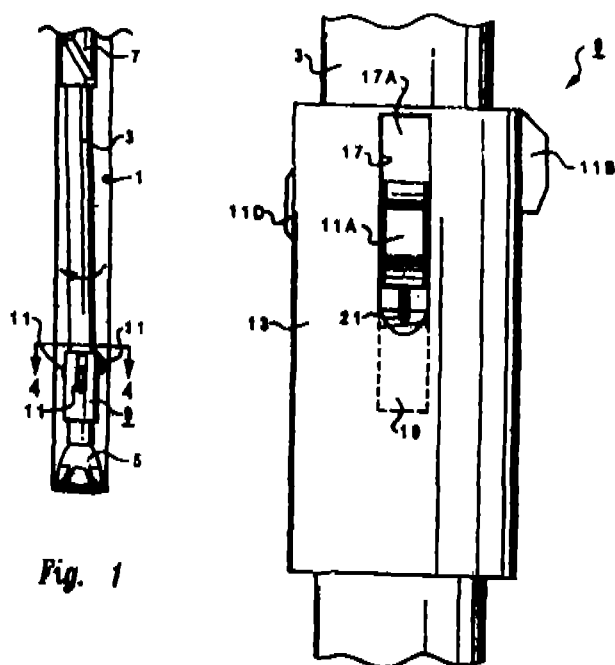


Fig. 1

Fig. 2

carried by the stabilizer sub (3), wherein the stabilizer body (13) remains substantially stationary relative to the borehole (1) as the drillstring rotates, and has at least one stabilizer blade (11) carried by the stabilizer body (13), the stabilizer blade (11) being radially extendable from the stabilizer body (13) and into engagement with the sidewall of the borehole (1), characterized in that the stabilizer blade (11) is adapted to be longitudinally moved by means of an actuator in a corresponding slot (17) having an inclined bottom (17A) and being formed in the stabilizer body (13), the lead screw (21) being designed to yield upon application of sufficient axial force, preferably 44500 N (10,000 pounds) per stabilizer blade, to the drillstring if the stabilizer sub (3) should become stuck in the borehole (1).

(Compl. Specn. : 19 Pages.

Drgn. Sheets : 3)

Ind. Cl. : 68 A.

188196

Int. Cl.⁴ : G 06 F—13/00.

DUAL IN-LINE MEMORY MODULE (DIMM).

Applicant : SILICON GRAPHICS, INC. OF 2011, N. SHORELINE, BOULEVARD, MOUNTAIN, VIEW, CALIFORNIA 94043-1389, U.S.A.

Inventor(s) : 1. LAUDON JAMES PIERCE, 2. LENOSKI DANIEL EDWARD, 3. MANTON JOHN.

Application No. 870/Cal/96 filed on 13.5.96.

(Convention No. 08/440,214, filed on 15.5.95 in U.S.A.).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Kolkata.

29 Claims

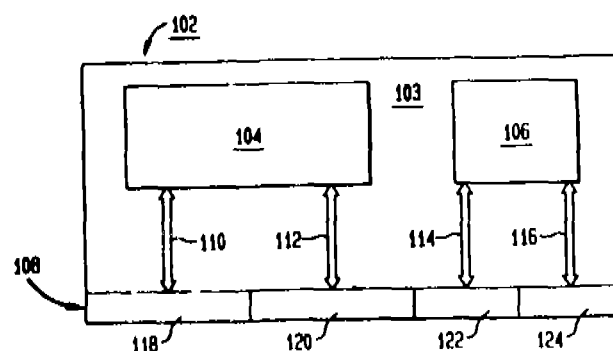
A dual in-line memory module (DIMM) comprising :
a circuit board;

first memory means, mounted on said circuit board, for storing data; and

second memory means, mounted on said circuit board, for storing directory information corresponding to at least a portion of said data, and

means, such as herein described, for permitting said first memory means and said second memory means to be accessed separately.

FIG. 1



(Compl. Specn. : 39 Pages.

Drgn. Sheets : 13)

Ind. Cl. : 32 A1.

188197

Int. Cl.⁴ : C 09 B 67/48.

A PROCESS FOR THE PREPARATION OF CRYSTAL MODIFICATION OF NITROBENZISOTHIAZOLE AZO DYESTUFF.

Applicant : DYSTAR JAPAN LTD. OF 7-20. AZUCHIMACHI 1-CHOME CHUO-KU, OSAKA, JAPAN.

Inventor(s) : 1. BUHLER DR. ULRICH, 2. KUHLEWEN DR. JURGEN, 3. KRUSE DI HUBERT.

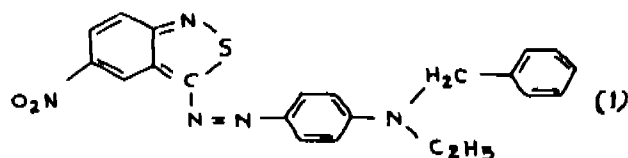
Application No. 881/Cal/96 filed on 14.5.96.

(Convention No. 19523924.5 filed on 30.6.95 in Germany).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Kolkata.

3 Claims

A process for the preparation of crystal modification of a nitrobenzisothiazole azo dyestuff of the formula I.



which has lines of the following diffraction angles 2θ ($^\circ$) in the x-ray diffraction diagram (Cu-K α radiation) :

Lines of high intensity : 25.8;

Lines of moderate intensity : 6.5; 7.6; 9.3; 12.6; 13.6; 15.1; 15.8; 17.5; 18.6; 20.6; 21.9; 24.6; 27.7; 31.6;

which comprises diazotizing 3-amino-5-nitro-2, 1-benzothiazole and coupling the diazotization product to N-benzyl-N-ethylaniline in a known manner in the presence of a coupling auxiliary such as herein described.

(Compl. Specn. : 21 Pages.

Drgn. Sheets : 3)

Ind. Cl. : 55 E4.

188198

Int. Cl.⁴ : A 61 K 35/32.

A PROCESS FOR OBTAINING A LIQUID EXTRACT OF CARTILAGE HAVING A SUBSTANTIAL PORTION OF THE BIOLOGICALLY ACTIVE HYDROSOLUBLE COMPONENTS PRESENT IN INTACT CARTILAGE.

Applicant : LES LABORATORIES AETERNA INC. OF 456 MARCONI STREET, PARC JEAN-TALON QUEBEC, QUEBEC, G1N 4A8, CANADA.

Inventor(s) : 1. ERIC DUPONT, 2. PAUL BRAZEAU, 3. CHRISTINA JUNEAU, 4. DANIEL H. MAES, 5. KENNETH MARENUS.

Application No. 1427/Cal/96 filed on 9.8.96.

(Convention No. 08/550003 filed on 30.10.95 in U.S.A.).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Kolkata.

12 Claims

A process for obtaining a liquid extract of cartilage having a substantial portion of the biologically active hydrosoluble components present in intact cartilage, which comprises the following steps :

- homogenizing the cartilage in an aqueous solution conditions compatible with preservation of the integrity of said biologically active component until the cartilage is reduced to particles whose size is lower than or equal to about 500 μ m, resulting in a mixture of particles and of crude liquid extract having said biologically active components;
- separating the particles from the crude liquid extract;
- separating the crude liquid extract in step (b) obtain a final liquid extract containing cartilage molecules having a molecular weight lower than or equal to about 500 Kilodaltons (KDa); and
- concentrating said final liquid extract, whereby at least a portion of molecules having a molecular weight lower than 100 Daltons is removed.

(Compl. Specn. : 93 Pages.

Drgn. Sheets : 26)

Ind. Cl. : 37 A.

188199

Int. Cl.⁴ : B 04 B, 1/08, 15/12.

A REPLACEABLE, SELF CONTAINED, CONE STACK SUB-ASSEMBLY.

Applicant : FLEETGUARD, INC. OF 100 BNA CORPORATE CENTER, SUITE 500M NASHVILLE, TENNESSEE 32717M U.S.A.

Inventor(s) : 1. HERMAN PETER KENT, 2. PARDUE BYRON ANDREW.

Application No. 194/Cal/2000 filed on 3.4.2000.

(Convention No(s). 08/378197 and 08/583,634 filed on 25.1.95 and 5.1.96 in U.S.A. respectively).

(Divided out of No. 114/Cal/96 antedated 22.1.96).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Kolkata.

7 Claims

A replaceable, self-contained, cone-stack subassembly (186) for use in a self-driven, cone-stack centrifuge (160) wherein said centrifuge is designed for separating particulate matter out of a flowing liquid, said cone-stack subassembly comprising :

an annular linear shell (206) having a flow control first end (213) and opposite thereto an open second end (212);

an annular bottom plate (208) attached to the second open end (212) of said linear shell and defining with said linear shell an interior cone space; and

a plurality of cones (209) arranged into a stacked ray (207) and positioned within said interior cone space.

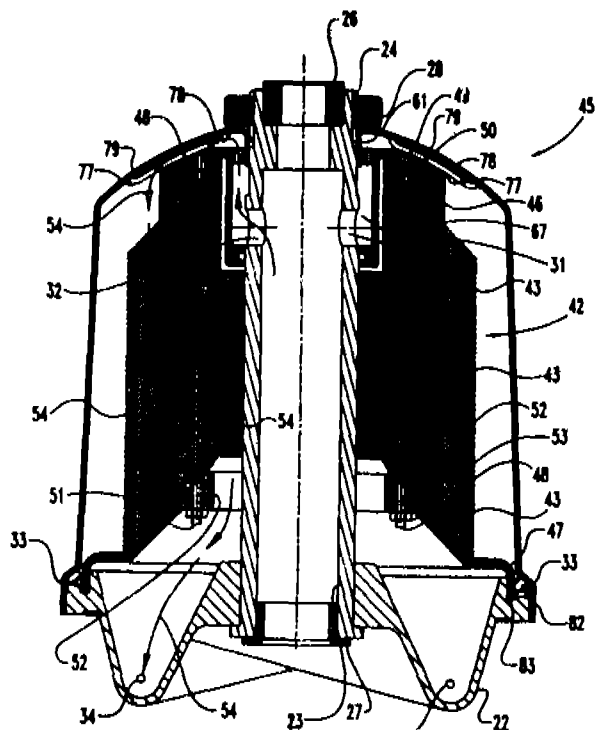


FIG. 2

(Compl. Specn. : 38 Pages.

Drng. Sheets : 18)

Ind. Cl. : 37 A.

188200

Int. Cl.⁴ : B 04 B, 1/06.

A SELFDRIVEN BYPASS CIRCUIT CONESTACK CENTRIFUGE.

Applicant : FLEETGUARD, INF 100 BNA CORPORATE CENTER, UXSUITE 500, NASHBUILLE, TENNESSEE, 32717, U.S.A

Inventor(s) 1. HERMAN PETER KENT, 2. PARDUE BYRON ANDREW.

Application No. 195/Cal/2000 filed on 3.4.2000.

(Convention No. 08/378,197 and 08/583,634 filed on 25.1.95 and 5.1.96 in U.S.A. respectively).

(Divided out of No. 114/Cal/96 antedated to 22.1.96).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Kolkata.

7 Claims

A self-driven bypass circuit cone-stack centrifuge (160) for separating particulate matter out of a flowing liquid,

said centrifuge being designed and constructed to be assembled onto a center support shaft (172) and being disposed within an outer assembly (166), said centrifuge comprising :

a centrifuge bowl (197);

a base plate (198) assembled to said centrifuge bowl thereby defining an interior centrifuge space said base plate comprising at least one tangential flow nozzle (20, 2, 203) for creating an exit flow jet;

a hollow centertube (177) designed and constructed to be positioned on said center support shaft (172) and axially extending through said base plate (198) and through said centrifuge bowl (197), and

a replaceable, self-contained cone-stack subassembly (186) mounted onto said hollow centertube within said interior centrifuge space.

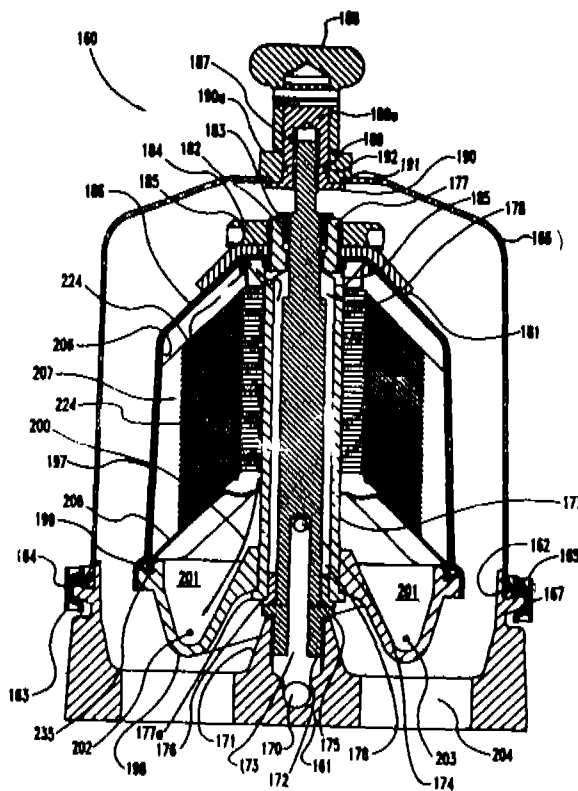


FIG. 11

(Compl. Specn. : 36 Pages.

Drng. Sheets : 18)

Ind. Cl. : 130 F.

188201

Int. Cl.⁴ : B 05 B 1/26.

DISCHARGE NOZZLE FOR USE WITH A CRYSTALLISER FOR CONTINUOUS CASTING OF SLABS.

Applicant : DANIELI & C. OFFICINE MECCANICHE SPA. OF VIA NAZIONALE, 33042 BUTTRIO (UD), ITALY.

Inventor(s) : 1. UMBERTO MERONI, 2. BRUNO GOSPARINI, 3. COASSIN GIOVANHÌ.

Application No. 540/Cal/95 filed on 15.5.95.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Kolkata.

5 Claims

Discharge nozzle (10) for use with a crystallizer for continuous casting of slabs having narrow sides between 30 and 300mm. wide, which discharge nozzle is employed to distribute liquid metal in a continuous casting mould, said discharge nozzle comprising a substantially vertical discharge pipe (11), which discharge pipe is closed at its lower end and is provided with lateral terminal discharge holes (14)

and lower ends, and each said chamber being defined by a sidewall (17) which, at the opposite side of the lateral discharge hole (14), is coformed as a downwardly diverging deflector (18) forming an angle " α " with the vertical between 10° and 35° , the lateral discharge holes (1) being adjacent to a bottom end wall (12) located at the end of the discharge pipe (11) remote from said first segment (11a) and having an overall section nearly equal to the section of the outlet of the second segment (11b) of the discharge pipe (11), said bottom end wall having an upper surface (12a) and a lower surface (12b), and each distribution chamber (15) having an upper discharge outlet (16a) and a lower discharge outlet (16b) at said upper and lower ends of said distribution chamber.

(Compl. Specn. : 23 Pages.

Drng. Sheets : 2)

Ind. Cl. : 55 E₄

188202

Int. Cl.⁴ : A 61 K 9/20

PROCESS FOR THE MANUFACTURE OF DISPERSIBLE TABLET CONTAINING FLUOXETINE OR ACID ADDITION SALT THEREOF.

Applicant : LILLY S.A. OF AVENIDA DE LA INDUSTRIA, 30. 28199 ALCOBENDAS (MADRID), SPAIN.

Inventor : MENDIZABAL FLAVIA ARCT

Application No. 814/Cal/96 filed on 18.7.95.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Kolkata

23 Claims

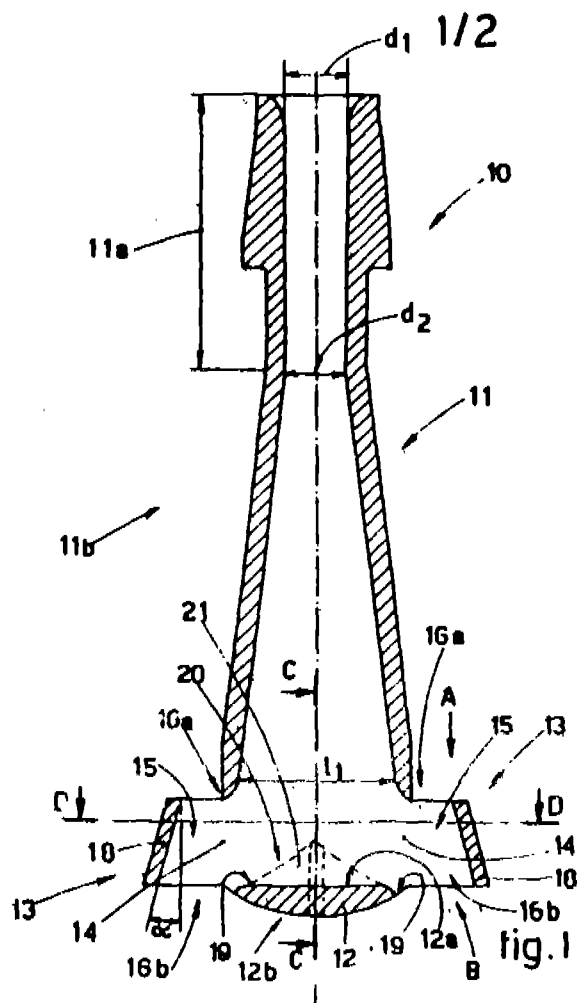
A process for the manufacture of dispersible tablet containing fluoxetine or an acid addition salt thereof, which comprises :

- (a) preparing a formulation consisting of fluoxetine or an acid addition salt thereof, as active ingredient, in a quantity between 4% and 7.5% by weight in relation to the total formulation weight, along with the appropriate excipients and coadjuvants, such as herein described, and also a disintegrant, a diluent and an antiadherent, wherein the disintegrant is selected from sodium starch glycolate, polymeric derivatives of acrylic acid and crospovidone and the diluent is selected from microcrystalline cellulose, lactose, hydroxypropyl cellulose (HPC), pregelatinized starch, dry flowing starch and combinations and mixture thereof, by : (i) screening amounts of said appropriate excipients and coadjuvants and placing them in a suitable mixer, (ii) adding the active ingredient, and (iii) mixing until homogeneous ;

- (b) effecting a direct compression of the product.

(Compl. Specn. : 36 Pages.

Drng. Sheet : 0)



facing towards the narrow sides of the mould and cooperating with means (13) that distribute and deflect the flow of liquid metal, characterised in that the discharge pipe (11) comprises a first segment (11a) having a downwardly converging circular cross-section and a second downwardly diverging segment (11b) with a cross-section which varies progressively from circular section to substantially rectangular section at least with rounded short sides; the distribution and deflection means (13) consist of two distribution chamber (15), one for each lateral discharge hole (14), each said chamber (15) being open at its upper

Ind. Cl. : 129 G

188203

Int. Cl.⁴ : B 23 Q 5/22

A PROCESS FOR FORMING THE BODY OF A CAN AND A FEEDING DEVICE FOR THE PROCESS.

Applicant : ELPATRONIC AG OF HETIZENTRUM 6 6303 ZUG SWITZERLAND.

Inventor : 1. RONALD DIETSCHI, 2. ARMIN INEICHEN.

Application No. 1248/Cal/95 filed on 16.10.95.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Kolkata.

4 Claims

A process for forming the body of a can by welding sheet metal blanks (14), comprising the steps of :

removing in succession a series of said blanks and depositing them on a supporting surface (15);

feeding sheet metal blanks in succession by feeding device through conveying rollers (16, 17);

forming a can body by welding;

characterized in that each sheet metal blank is contacted and accelerated in a feed motion towards the conveying rollers by at least one vane (2, 3, 4, 5, 2', 3', 4', 5') of a rotating element (1) which is driven in rotation with non-uniform angular velocity such that the velocity of the vane is lower upon making contact with the article than during the feed motion.

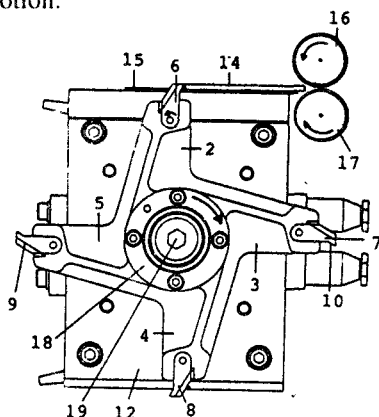


FIG. 2

(Compl. Specn. 10 Pages.

Drgn. Sheet : 1)

Ind. Cl. : 6 A₄

188204

Int. Cl.⁴ : B 01 D 29/00

AN APPARATUS FOR CONTROLLING THE POLLUTION MATTER OF POLLUTED AREA.

Applicant : PRONAB KUMAR MONDAL OF 15/1A, SARAT GHOSH GARDEN ROAD, DHAKURIA, CALCUTTA-700 031, WEST BENGAL, INDIA.

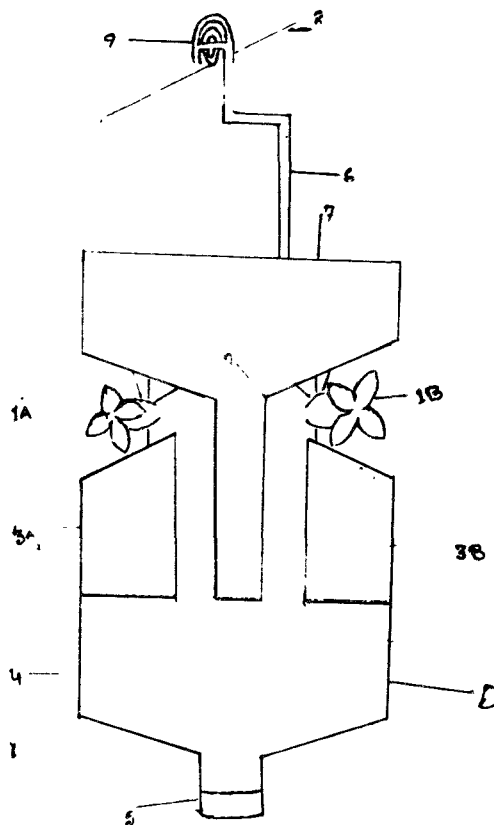
Inventor : PRONAB KUMAR MONDAL.

Application No. 293/Cal/96 filed on 19.2.96.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Kolkata.

2 Claims

A apparatus for controlling the pollution matter of polluted area comprising a suction device D to suck in dust and pollution matters for the air, a hanging means 6 to support the suction device D, a rope way 8, an electrically or battery operated trolley 9 which is adapted to move on a rope way 8 fixed to the light posts of the city of industrial area, the suction device D consisting of one or more conduits 2 with suction fans 1A and 1B at two or more openings of the conduits 2 and two or more pipes 3A and 3B leading to a container 4 at the bottom of the device which is suspended from the rope way by means of a wire hanger 6.



(Compl. Specn. : 5 Pages.

Drgn. Sheets : 2)

Ind. Cl. : 189

188205

Int. Cl.⁴ : A 61 K 7/46

C 11 B 9/00

A FRAGRANCE COMPOSITION AND A PROCESS OF ITS MANUFACTURE.

Applicant : QUEST INTERNATIONAL B. V OF HUIZERSTRAATWEG 28,1411 GP NAARDEN, THE NETHERLANDS.

Inventor : 1. CHARLES STANLEY SELL.

Application No. 439/Cal/96 filed on 12.3.96.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Kolkata.

5 Claims

Fragrance composition comprising known fragrance materials such as herein defined and at least 0.01% by w/w of N-ethyl-N-(3-methylphenyl)-propionamide.

(Compl. Specn. : 8 Pages.

Drng. Sheet : 1)

Ind. Cl. : 28 E, 28 F.

188206

Int. Cl.⁴ : F 23 N 5/16, F 23 C 11/04,
F 23 D 17/00

AN ACOUSTICALLY PULSATING TYPE BURNER ASSEMBLY.

Applicant : FOSTER WHEELER ENERGY CORPORATION OF PERRYVIELLE CORPORATE PARK CLINTON, NEW JERSEY 08809-4000.

Inventor : 1. FRANTISEK L. EISINGER 2. MARTIN D. BERNSTEIN.

Application No. 569/Cal/96, filed on 28.3.96.

(Convention 08/434,893 filed on 4.5.95 in USA).

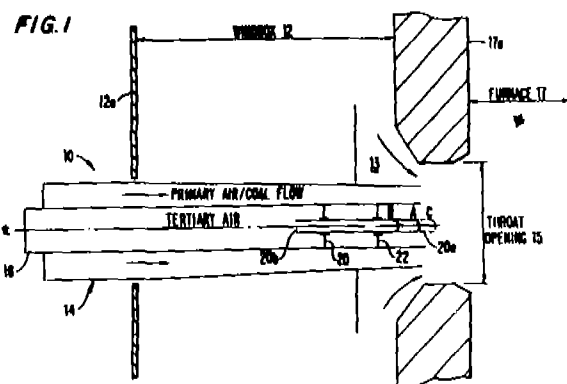
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Kolkata.

11 Claims

An acoustically pulsating type burner assembly for use with a furnace for combustion of gas, liquid or particulate fuels comprising:

an elongated outer tube which can be positioned near a throat opening of a furnace and adapted for air/fuel flow through the tube;

at least one thermoacoustic tube element located within said elongated outer tube, said element having a closed forward end and an open rear end; and



means for moving said thermoacoustic element axially within said outer tube between a forward position and a rearward position, so as to control the pulsations generated within the thermoacoustic element of the

burner assembly by the temperature differential between the closed forward end and the rear end of the tube element thereby facilitating combustion of the fuel.

(Compl. Specn. : 31 Pages.

Drng. Sheets 5)

Ind. Cl. : 147 E.

188207

Int. Cl.⁴ : G 11 B 3/58.

CLEANING DEVICE FOR A CONTACT SURFACE ON A PRINTED CIRCUIT BOARD.

Applicant : DAEWOO ELECTRONICS CO. LTD. OF 541 GA, NAMDAEMOON RO, JUNGKU, SEOUL, KOREA.

Inventor : YU-IN KIM.

Application No. 570/Cal/96 filed on 29.3.96.

(Convention No. 1995-007182 filed on 31.3.95 in Korea).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Kolkata.

15 Claims

A cleaning device for a contact surfaced on a printed circuit board, comprising :

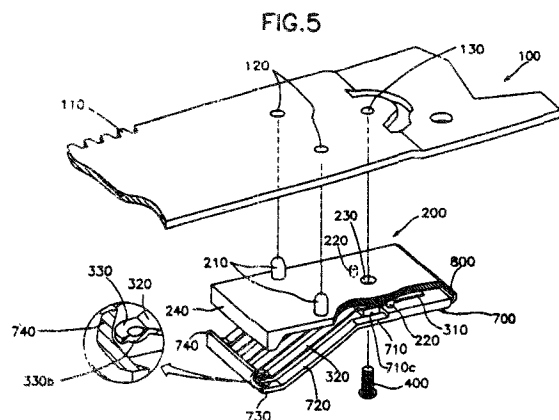
a loading means for loading said cleaning device, said loading means moving in a horizontal direction according to the driving of a driving motor;

a holding means for retaining a mode detection means, said holding means made of an insulating material and being in contact with the bottom face of said loading means;

said mode detection means for sensing a signal provided in the contact surface on the printed circuit board, said mode detection means having a first fixing part being in contact with the bottom face of said holding means and a number of elastic legs connecting with one of the edges of said first fixing part and having a predetermined angle bent against the bottom face of said first fixing part; and

a cleaning means for removing matters attached to the contact surface on the printed circuit board, said cleaning means having a second fixing part being in contact with the bottom face of said first fixing part of said mode detection means, a wiper being in contact with the contact surface on the printed circuit board, and two elastic guards coupled between both ends of one of the edges of said second fixing part and both ends of said wiper, said wiper having a wiper head which protrudes from the top face of said wiper with predetermined height in order to protect end parts of said number of elastic legs, and wherein said holding means has

a protecting part protruding from the bottom of said holding means for protecting said end parts of said number of elastic legs.



(Compl. Specn. : 23 Pages.

Drng. Sheets : 6)

Ind. Cl. : 187 D. H.

188208

Int. Cl.⁴ : H 03 J—7/02 H 04 Q —5/12.

CORDLESS TELEPHONE SET.

Applicant : THOMSON CONSUMER ELECTRONICS, INC OF 10330 NORTH MERIDIAN STREET, INDIANAPOLIS. INDIANA 46290-1024, UNITED STATES OF AMERICA.

Inventor : 1. MANUEL APRAEZ, 2. MICHAEL JOHN BONCZEK, 3. SUNG HEE KIM & HUNG CHI LAI.

Application No. 716/Cal/96, filed on 18.4.96.

(Convention No. 9509145.0 filed on 28.4.95 in Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Kolkata.

3 Claims

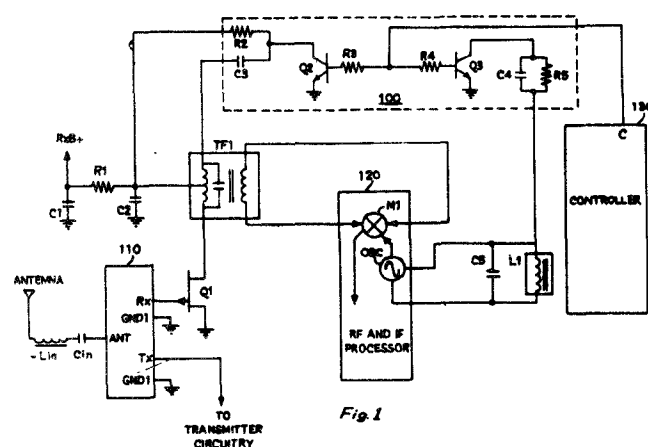
A cordless telephone set, comprising :

handset for communicating to a base unit over a given number channels via RF signals coupled over a handset antenna, said handset having a handset controller (130);

base unit for communicating with said handset over said given number of channels via RF signals coupled over a base unit antenna, and for communicating with an external telephone network, said base unit having a base unit controller (230);

said handset and said base unit comprising communication circuitry (100, 200) for communicating in a first direction and in a second direction, and channel allocation for communication in said first direction requires greater bandwidth than in said second direction; and

in order to reduce noise, said communication circuitry employed in said first direction having bandswitching circuit (100) for selectively tuning said communication circuitry to a first center frequency of a first band of frequencies or to a second center frequency of a first band of frequencies.



(Compl. Specn. : 9 Pages.

Drng. Sheets : 2)

Ind. Cl. : 107E.

188209

Int. Cl.⁴ : H 01 B 17/30.

ELECTRICALLY INSULATING GAS-TIGHT PENETRATION.

Applicant : EMITEC GESELLSCHAFT FUR EMISSIONSTECHNOLOGIE MBH OF HAUPTSTRASSE 150, 53797 LOHMAR, GERMANY.

Inventor(s) : 1. ROLF BRUCK, 2. WOLFGANG MAUS & 3. CARSTEN KRUSE.

Application No. 830/Cal/96, filed on 6.5.96.

(Convention No. 19520758.0 filed on 7.6.95 in Germany).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Kolkata.

5 Claims

In an internal combustion engine exhaust system having a metal shell (4), an electrically insulating gas-tight penetration passing through the shell (4) at a given region, the penetration comprising :

a sheath (6) passing through the shell (4) in the given region, and at least two mutually coaxial electrical conductors (7,8) extending through said sheath.

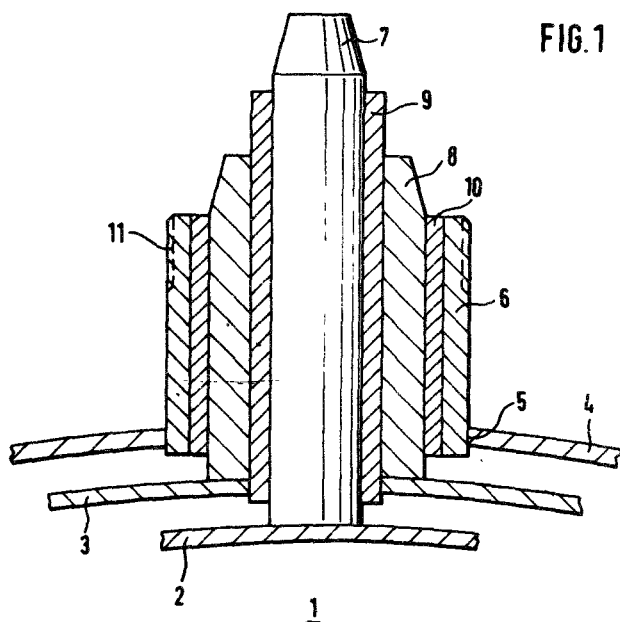


FIG. 1

(Compl. Specn. : 6 Pages.

Drng. Sheet 1)

Ind. Cl. : 154 D.

188210

Int. Cl.⁴ : B 44 F 9/10, 15/44, B 41 F 35/00, 35/04, 1/46, 31/06.

DOCTOR BLADE UNIT FOR THE INKING SYSTEM OF A ROTARY PRINTING PRESS.

Applicant : WINDMOLLER & HOLSCHER, OF MUNSTERSTR. 50, 49525 Lengerich, GERMANY.

Inventor : FRITZ-ACHELPHOL.

Application No. 1623/Cal/96 filed on 11.9.96.

(Convention No. 19536268.3 filed on 28.9.95 in Germany).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Kolkata.

10 Claims

Doctor blade unit for inking system of a rotary printing press, consisting of a doctor blade carrier (10) that is formed of a profiled rail (16) with a channel-shaped recess (20) and on which two doctor blades that can be screwed down on an ink application roller or screen roller (2) are fastened in parallel with one another in the approximate shape of a roof, wherein the doctor blades delimit an ink chamber in cooperation with the ink application roller, the channel-shaped recess of the doctor blade carrier and sealing element provided on the ends of the doctor blade carrier, as well as ducts 21,22,23, for supplying and discharging inks into/from the ink chamber, a spraying device 41 with spraying nozzles 42 for supplying a cleaning fluid into the ink chamber and adjusting equipment for pressing the doctor blade carrier against the ink application roller, characterized by the fact that the face walls on the ends of the ink chamber which carry the sealing elements are provided with holes for accommodating a pipe that is provided with space apart holes that form the spraying nozzles over its entire length, and that one end of this pipe is provided with a connection for supplying the cleaning fluid.

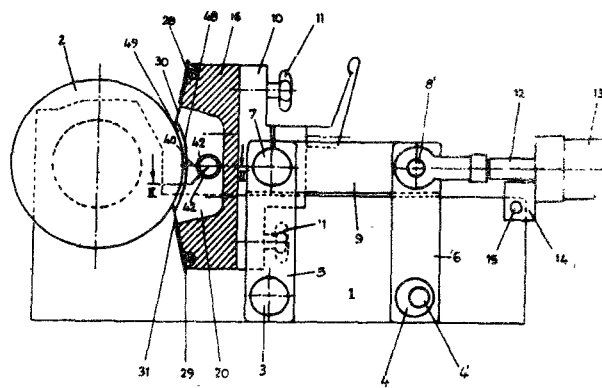


Fig. 1

(Compl. Specn. : 14 Pages.

Drng. Sheets : 6)

Ind. Cl. 6 A 4 188211

Int Cl⁴ : A 4 7 L 9 / 00

"VACUUM PIPE CONNECTOR"

APPLICANT(S) : VORWERK & CO. INTERHOLDING GMBH
a German Company
OF MUHLENWEG 17-37
DE-42275 WUPPERTAL
GERMANY

INVENTOR(S) : 1. HANS PETER ARNOLD;
2. DR. CARSTEN JACOBS;
3. STEPHAN PETER DIEUDONNE.

APPLICATION NO : 147 MAS 95

filed on

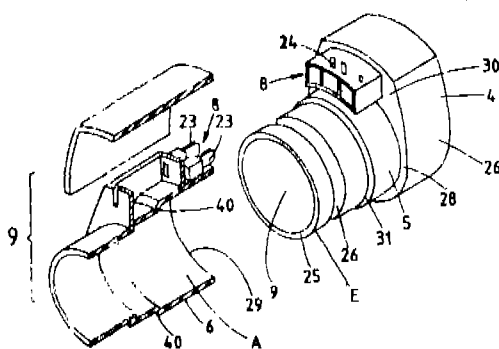
07-Feb-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
(RULE 4 , PATENTS RULES, 1972) PATENT OFFICE, CHENNAI BRANCH.

18 CLAIMS

A vacuum pipe connector for a vacuum cleaner (1) with a vacuum pipe section (5) as a connector (E) and a complementary part (6) as a complementary socket (A) of an attachment appliance (V) and electrical contacts (8), in which the electrical contacts are located outside the cross section of the vacuum pipe section (5) and the complementary part (6), characterized in that the electrical contacts (8) extend outside the cross-section surrounding the vacuum channel (9) and located in a flattened area (10) integral with the upper side of the essentially circular overall cross-section.

FIG. 10



COMP. SPECN : 21

PAGES: DRAWING: 7

Ind. Cl. : 32 F 2 B 188212

Int Cl⁴ : C 07 D - 213 / 00

" A PROCESS FOR THE PREPARATION OF A MIXED OXIDE CATALYST FOR USE IN THE SELECTIVE SYNTHESIS OF PICOLINES BY THE DIRECT ALKYLATION OF PYRIDINES"

APPLICANT(S) : INDIAN INSTITUTE OF TECHNOLOGY,
IIT P.O. MADRAS 600 036, TAMIL NADU, INDIA.
AN AUTONOMOUS BODY SET UP THE
GOVERNMENT OF INDIA UNDER AN ACT OF
PARLIAMENT.

INVENTOR(S) : 1.CHANDRASEKHARA PILLAI NARAYANA PILLAI
2. UPADHYAYULA KAMESWARI.

APPLICATION NO : 158 MAS 95 filed on 13-Feb-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
(RULE 4 , PATENTS RULES, 1972)PATENT OFFICE, CHENNAI BRANCH.

6 CLAIMS

A process for preparation of a mixed oxide catalyst for use in the selective synthesis of picolines by the direct alkylation of pyridines in the presence of the said catalyst comprising the steps of mixing the nitrates of transition metals and aluminum in stoichiometric proportions; dissolving the mixture in mineral acid of a quantity just required for the purpose and precipitating using ammonia solution to ^athe pH of 5 to 10; digesting the precipitate overnight and testing the supernatant liquid for completion of precipitation; filtering and washing the precipitate free of ammonia solution and drying the same; calcining the dried precipitate at 300 deg.C – 600 deg.C for six hours; heat treating the same at 600 deg.C 1000 deg.C for 2 to 48 hours with intermittent grinding.

COMP. SPECN : 9

PAGES: DRAWING: NIL

Cl.⁴ :

C O 1 B 33 / 28

" A PROCESS FOR PREPARAING ZEOLITE ZSM-11"

188213

APPLICANT(S) :

CHEVRON U.S.A, inc
 555 MARKET STREET, SAN FRANCISCO, CALIFORNIA
 P.O.BOX 7141 SAN FRANCISCO CA 94120-7141, USA.
 a corporation duly organized under the laws of the state of pennsylvania.

INVENTOR(S) :

1.YUMI NAKAGAWA.

APPLICATION NO :

170 MAS 95

filed on

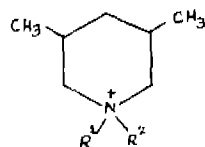
14-Feb-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
 (RULE 4 , PATENTS RULES, 1972)PATENT OFFICE, CHENNAI BRANCH

10 CLAIMS

A process for preparing the zeolite ZSM - 11 which comprises:

(a) preparing an aqueous solution comprising sources of (1) an alkali metal oxide, alkaline earth metal oxide or mixtures thereof; (2) an oxide selected from the oxides of aluminum, boron, iron, gallium, indium, titanium, or mixtures thereof; (3) an oxide from oxides of silicon, germanium or mixtures thereof; and (4) at least one 3,5-dimethylpiperidinium compound as a templating agent having the general formula.



Whereon R¹ and R² independently represent an alkyl group, either branched or unbranched, substituted or unsubstituted, containing from 1 to 7 carbon atoms, with the proviso that R¹ and R² are not both methyl, or R¹ and R² together comprise a cyclic alkyl ring system, which including the positively charged nitrogen atom, contains from 4 to 7 atoms, said ring system being unsubstituted or substituted with branched or unbranched alkyl groups, and X is an anion which is not detrimental to the formation of the ZSM - 11 said aqueous solution comprises, in terms of mole ratios, the following:

YO ₂ / W ₂ O ₃	15 and greater
OH / YO ₂	0.1 – 0.6
Q / YO ₂	0.01 – 0.50
M ⁺ / YO ₂	0.01 – 0.50
H ₂ O / YO ₂	15 – 100

Where Y is silicon, germanium or mixtures thereof; W is aluminum, boron, iron, gallium, indium, titanium or mixtures thereof; Q is a 3,5-dimethylpiperdinium compound; and M is an alkali metal, alkaline earth metal or mixtures thereof

- (b) maintaining the aqueous solution under conditions sufficient to form crystals of ZSM - 11; and
 (c) recovering the crystals of ZSM - 11.

Ind. Cl. : 92 D, J 188214

Int Cl⁴ : A 01 C 1 / 00

" A PROCESS FOR PREPARING SEEDS HAVING
PROLONGED SHELF LIFE FROM PRIMED,
NON-GERMINATED SEEDS."

APPLICANT(S) : NOVARTIS AG
SCHWARZWALDALLEE 215, 4058 BASEL
SWITZERLAND, A SWISS COMPANY.

INVENTOR(S) : 1. JOB SCHIPPER;
2. PETER VAN DER TOORN;
3. TONKO BRUGGINK.

APPLICATION NO : 177 MAS 95 filed on 15-Feb-95

CONVENTION NO : 9403941.9 on 01-Mar-94 , BRITISH.

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
(RULE 4 , PATENTS RULES, 1972)PATENT OFFICE, CHENNAI BRANCH.

6 CLAIMS

A process for preparing seeds having prolonged shelf life from primed, non-germinated seeds having a moisture content (MC) between 2 and 15% on a fresh weight basis (fwb), while maintaining the germination rate of the primed seeds comprising the steps of exposing the prim seeds to a water stress for a period of 1 to 7 days; and / or heat treating at 25⁰ C to 45⁰C for 1 to 5 hrs and drying the treated seeds to have a moisture content (MC) between 2 and 15% on a fresh weight basis (fwb).

COMP. SPECN : 38

PAGES: DRAWINGS: SHEETS

Ind.Class – 127-I

188215

Int.Cl.⁴ - B 25 J 9/16**“A MACHINE OF SUBSTANTIALLY PARALLELEPIPED SHAPE”**

Applicant: JOSEPH MICHAEL, (a British subject), of 23, Portland Rise, London 4 2PT, England.

Inventor: JOSEPH MICHAEL, (ENGLAND).

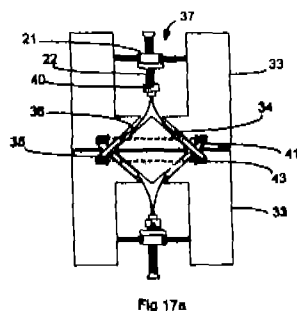
Application No. 178/MAS/95 dated: February 15, 1995.

Convention date: March 04, 1994; (No. 94.04227.2; United Kingdom)

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972),
Patent Office, Chennai Branch.

17 Claims

A machine (1, 33, 44, 56, 70) of substantially parallelepiped shaped comprising transporting means (19, 23, 42, 43, 52, 53) for interacting with identical machines to cause relative movement; said transporting means (19, 23; 42, 43; 52, 53) being located to interact with identical machines to cause relative transport of them and the machine over a face of the parallelepiped, while permitting movement only substantially parallel to that face and securing means (13, 28, 35, 48) being provided to interact with identical machines to secure the machine in position relative to them.



(Com. – 42 pages; Drwgs. – 19 sheets)

Ind. Cl. : 206 E 188216
 Int Cl⁴ : H 04 B 15 / 00

" APPARATUS FOR USE IN EQUIPMENT
 PROVIDING A DIGITAL RADIO LINK BETWEEN
 A FIXED AND A MOBILE RADIO UNIT."

APPLICANT(S) : ROKE MANOR RESEARCH LIMITED
 (A BRITISH COMPANY) OF ROKE MANOR,
 ROMSEY, HAMPSHIRE SO51 0ZN ENGLAND

INVENTOR(S) : 1. ANTHONY PETER HULBERT

APPLICATION NO : 743 MAS 94 filed on 05-Aug-94

CONVENTION NO : 9317781.4 on 26-Aug-93, Gb/Gn

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
 (RULE 4 , PATENTS RULES, 1972) PATENT OFFICE, CHENNAI BRANCH

9 CLAIMS

Apparatus for use in equipment providing a digital radio link between a fixed and a mobile radio unit, said apparatus comprising demodulation means (10, 12, 14, 16, 18, 20, 22, 24, 30, 32, 34, 36, 38, 50, 52, 54, 56, 58, 60, 62, 64, 66; 72, 74, 76, 78, 80, 82, 84, 86, 96, 98, 100, 102, 104, 106, 108, 110, 112, 114, 116, 118, 120, 122, 136, 138; 10, 12, 14, 16, 18, 20, 26, 28, 30, 32, 34, 36, 38; 82, 86, 98, 102, 104, 106, 108, 110, 112, 114, 116, 118, 120) arranged to receive inphase and quadrature phase input signals and estimation means (40, 42, 46; 124, 126, 128, 130, 132, 134; 40, 42, 46, 48, 150, 152, 154, 156; 150, 152, 162) for deriving a decision directed carrier reference estimate from one or more signals, wherein the decision directed carrier reference estimate is used by said demodulation means for demodulating more than one signal transmitted over the same radio channel.

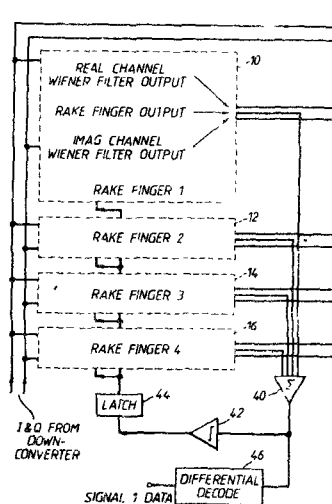


Fig 2

Ind. Cl. : **24 E₁ F** 188217

Int Cl⁴ : F 16 D - 65 / 38

" CLAMPING DEVICE OF A DISC BRAKE ESPECIALLY FOR
USE WITH HEAVY COMMERCIAL VEHICLES"

APPLICANT(S) : LUCAS INDUSTRIES PUBLIC LIMITED COMPANY
A BRITISH COMPANY OF BRUETON HOUSE
NEW ROAD, SOLIHULL WEST MIDLANDS B 91 3 TX
GREAT BRITAIN.

INVENTOR(S) : 1. WILFRIED GIERING.

APPLICATION NO 62 MAS 95 filed on 20-Jan-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
(RULE 4 , PATENTS RULES, 1972) PATENT OFFICE, CHENNAI BRANCH.

3 CLAIMS

A clamping device of a disc brake, especially for use with heavy commercial vehicles,
comprising

at least one plunger (30) which is displaceable in the direction of a plunger axis (C)
for applying a brake pad to a brake disc,

at least one eccentric (24) which is rotatable about a transverse axis (B).

A roll body (28) is carried on the eccentric (24) for transmitting actuating forces to
the plunger (30).

At least one adjusting member (70) which is rotatable about an adjusting axis (D)
extending at an angle to the transverse axis (B) to compensate for lining wear and

A pin (76) is fixed to the eccentric (24) and cooperating with the adjusting
member (70) to transmit the torque for effecting an adjustment to compensate for
lining wear, characterized in that

the pin (76) forms part of (76,98)

by which the roll body (28) is prevented from inadmissibly moving in the direction of
the transverse axis (B) with respect to the eccentric (24).

COMP. SPECN.: 15 PAGES:

DRAWING 4 SHEETS

Ind. Cl. : 187 H 188218

Int Cl⁴ : G 10 L 9 / 00

"AN APPARATUS FOR VOCODING"

APPLICANT(S) : QUALCOMM INCORPORATED
6455 LUSK BOULEVARD SAN DIEGO,
CALIFORNIA 92121 USA. INCORPORATED IN
THE STATE OF DELAWARE, USA.

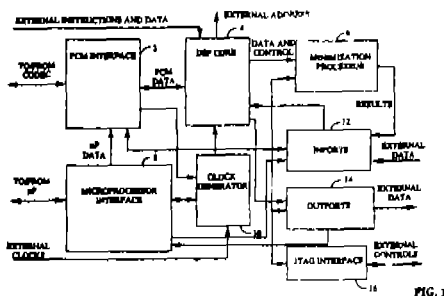
INVENTOR(S) : 1. JOHN G MC DONOUGH; 4. CHARLES E SAKAMAKI;
2. CHIENCHUNG CHANG; 5. MING-CHANG TSAI;
3. RANDEEP SINGH; 6. PRASHANT KANTAK.

APPLICATION NO : 94 MAS 95 filed on 30-Jan-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
(RULE 4 , PATENTS RULES, 1972) PATENT OFFICE, CHENNAI BRANCH.

11 CLAIMS

An apparatus for vocoding, comprising a DSP core (4) for performing a recursive convolution computation and for providing a result of said recursive convolution; and a minimization processor means (6) coupled to said DSP core for receiving said result of said recursive convolution and performing a minimization search in accordance with said result of said recursive convolution.



COMP. SPECN : 65

PAGES: DRAWING: 14

Ind. Cl. 4 OH 188219

Int Cl⁴ : E 21B 43 / 40, BOLD 53 / 14

APPLICANT(S) : "A PROCESS FOR PURIFYING A PRESSURIZED NATURAL GAS"

INSTITUT FRANCAIS DU PETROLE
4, AVENUE DE BOIS-PREAU 92506 RUEIL-MALMAISON
FRANCE A FRENCH COMPANY

INVENTOR(S) : 1. MINKKINEN ; 2. BENAYOUN; 3. BARTHEL

106/MAS/95 31Jan 95

Application No.

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
(RULE 4 , PATENTS RULES, 1972)PATENT OFFICE, CHENNAI BRANCH.

11 CLAIMS

A process for purifying a pressurized natural gas containing hydrocarbons, water and hydrogen sulphide, obtained from at least one producing well, said process comprising:

- a) bringing at least a portion of said natural gas into contact with at least a portion of a liquid condensate, recycled from a separation zone, in a contact and vaporizing zone operated at a temperature of 0° - 100°C and a pressure greater than 10 bars, recovering a vapor phase containing hydrogen sulfide and hydrocarbons from the head of said contact and vaporizing zone and recovering from the bottom of said contact and vaporizing zone a liquid effluent containing water, major portion of the hydrogen sulfide, and a minor portion of hydrocarbons,
- b) cooling and condensing at least a portion of said vapor phase to form an initial condensate,
- c) separating said initial condensate obtained in said separation zone operated at a temperature of -80°C to $+30^{\circ}\text{C}$ and a pressure greater than 10 bars, and recovering from said separation zone a gas, enriched in hydrocarbons and depleted in hydrogen sulfide, and said liquid condensate, which is to be recycled to said contact and vaporizing zone, said liquid condensate is enriched in hydrogen sulfide and contains hydrocarbons,
- d) recycling said liquid condensate to said contact and vaporizing zone; and
- e) introducing said liquid effluent back into said producing well or into a different well.

Ind. Cl. : 206 I 188220

Int Cl⁴ : HO4B 14 / 06

AN APPARATUS FOR COMMUNICATING DATA BETWEEN
AT LEAST TWO DATA DEVICES

APPLICANT(S) : PROXIM INC
510 DEGUIGNE DRIVE
SUNNYVALLE CA 94086,
USA, A DELAWARE CORPORATION

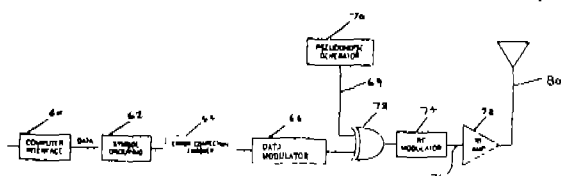
INVENTOR(S) : 1. JOHN H CAFARELLA; 2. JEFFREY H. FISCHER.

Application No. 114/MAS/95 31-Jan-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
(RULE 4 , PATENTS RULES, 1972) PATENT OFFICE, CHENNAI BRANCH.

6 CLAIMS

An apparatus for communicating data between at least two data devices, the said apparatus comprising: (a) means for acquiring data from a data device; (b) means for representing the data as a sequence of digital waveform symbols, the digital waveform symbols being selected from a set that has more than two unique digital waveform symbols each digital waveform symbol being characterized by a symbol duration, wherein each of the unique digital waveform symbols is orthogonal with respect to each other unique digital waveform symbol in the set, and the means for representing the data as a sequence of digital waveform symbols comprises: (i) means for grouping the data into a sequence of groups of N bits, each group representing a symbol selected from 2^N possible data symbols; and (ii) data modulation means for representing each data symbol as a digital waveform symbol so as to form the sequence of digital waveform symbols; (c) means for generating a direct-sequence spread spectrum encoding signal; (d) multiplying means for combining the direct-sequence spread spectrum encoding signal with the sequence of digital waveform symbols to provide a transmit signal; (e) modulator means for modulating a carrier signal in accordance with the transmit signal to provide a modulated signal; and (f) means for transmitting the modulated signal; wherein said apparatus further has (i) means for applying differential multiphase shift keying to each pair of sequentially neighboring waveform symbols so as to produce a waveform modulated by a combination of differential M-ary PSK and M-ary orthogonal function modulation; and (ii) means for applying Reed-Solomon error correction coding to each waveform symbol, and means for applying binary error correction coding to the differential multiphase shift keying



COMP. SPECN : 50 PAGES: DRAWINGS: 23

Ind. Cl. : 32 F 3 A, C 188221

Int Cl⁴ : C 08 B 37 / 00,
C 07 H 1 / 00 , 15 / 00

" A METHOD FOR PRODUCING
A BLEACHED ALKYL POLYGLYCOSIDE"

APPLICANT(S) : HENKEL CORPORATION, 140 GERMANTOWN
PIKE, SUITE 150, PLYMOUTH MEETING,
PA 19462, USA., A US COMPANY.

INVENTOR(S) : 1. PATRICK M MCCURRY JR;
2. JAMES D BEAULIEU .

APPLICATION NO : 179 MAS 95 filed on 15-Feb-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
(RULE 4 , PATENTS RULES, 1972)PATENT OFFICE, CHENNAI BRANCH.

24 CLAIMS

A method of producing a bleached alkylpolyglycoside comprising the steps of (a) reacting a saccharide with an alcohol in the presence of an acid catalyst (b) providing an aqueous solution of an unbleached alkylpolyglycoside which is to be bleached (c) providing an aqueous solution of a prebleached alkylpolyglycoside (d) introducing into the reactor forming the bleaching zone, the aqueous prebleached alkylpolyglycoside of step (c) in an amount sufficient to cover the agitator in the reactor at a temperature of 85 to 105 ° C (e) continuously introducing the aqueous solution of unbleached alkylpolyglycoside from step (b) to the bleaching zone maintained at an elevated temperature suitable for bleaching (f) adjusting and maintaining the pH of the aqueous solution of prebleached and unbleached alkylpolyglycoside in said bleaching zone at an alkaline pH in the range of 10.2 to 10.8 (g) contacting the aqueous solution at the alkaline pH with a peroxy bleaching agent in an amount to bleach and reduce the colour of the alkylpolyglycoside of step (b); and (h) continuously removing alkylpolyglycoside from said bleaching zone wherein the alkylpolyglycoside has a Klett colour below 50 or as determined by the Klett method a Klett colour below 50 and a residual bleaching agent level below 1000 ppm.

Ind. Cl : 35 B 188222
Int Cl⁴ : CO4B - 7 / 42

"A METHOD FOR PREPARING MINERALIZED PORTLAND CEMENT CLINKER
IN A KILN SYSTEM"

APPLICANT(S) : F L SMIDTH & CO A / S OF
VIGERSLEV ALLE 77, DK 2500 VALBY,
DENMARK, A DANISH COMPANY.
AND
AALBORG PORTLAND A / S, OF
RORDALSVEJ 44, POSTBOKS 165,
DK 9100 ALBORG, DENMARK;
A DANISH COMPANY.

INVENTOR(S) : 1. BORGHOLM HANS ERIK;
2. HERFORT DUNCAN;
3. MOGENSEN, OLE.

Application No. 190/MAS/95 filed on 17-Feb-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
(RULE 4 , PATENTS RULES, 1972)PATENT OFFICE, CHENNAI BRANCH.

15 CLAIMS

A method for preparing mineralized Portland cement clinker in a kiln system said method comprising the steps of preheating a rawmix feedstock in a preheater, calcining the preheated feedstock in a calciner, burning the calcined feedstock in the kiln to form clinker and then cooling the clinker in a cooler characterized in that adding a mineralizer such as herein described to the feedstock, the mineralizer and the feedstock are mixed together and homogenized in suspension in at least one of the preheater or calciners wherein the quantity of mineralizer added to the feed stock is subjected to the condition that the sulphur content (Xs) is not greater than 1.2% by weight and / or the fluorine content (Xf) is not greater than 0.14% by weight on loss on ignition free basis.

Comp.Specn. 15pages; Drgs.1 sheets.

Ind.Class - 70

188223

Int.Cl.⁴ - C 25 C 3/08**“DEVICE FOR ELECTROLYTIC PRODUCTION OF ALUMINIUM”**

Applicant: ELKEM ALUMINIUM ANS, a company incorporated under the Laws of Norway of Nydalsveien 15, 0483 OSLO, Norway.

Inventor: ARNT TELLEF OLSEN, (NORWAY)

Application No. 205/MAS/95 dated February 21, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972),
Patent Office, Chennai Branch.

4 Claims

A device for electrolytic production of aluminium comprising an electrolytic cell equipped with a Soderberg anode, the anode comprising an anode casing; vertical contact bolts for holding and for conducting operating current to the anode, at least one cover closing the top of the anode casing, the cover having openings for the contact bolts, at least one opening for charging anode paste and at least one off-gas opening for continuously withdrawing gas from the top of the anode; and the openings in the cover defining between them air gaps of between 1 and 10 mm, thereby allowing a regulated flow of air into the air gaps in order to cool the top of the anode and to prevent leakages of gases from the top of the anode through the air gaps.

(Com. - 11 pages; Drwgs. - 3 sheets)

Ind. Cl. : 172 D4 D8 188224

Int Cl⁴ : D O1 4 1 / 00

" RING SPINNING MACHINE"

APPLICANT(S) : MASCHINENFABRIK RIETER AG
KLOSTERTRASSE 20 CH-8406 WINTERTHUR
SWITZERLAND. A SWISS COMPANY.

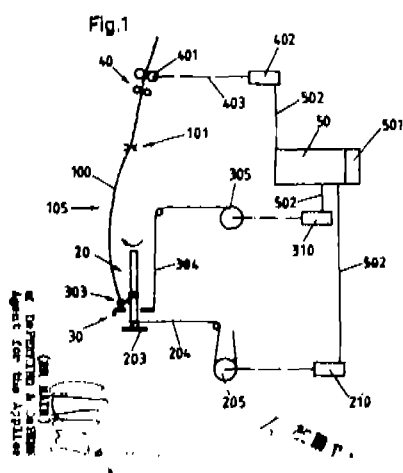
INVENTOR(S) : 1. HASLER FELIX;
2. DR STALDER HERBERT

APPLICATION NO : 217 MAS 95 **filed on** **22-Feb-95**

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
(RULE 4 , PATENTS RULES, 1972)PATENT OFFICE, CHENNAI BRANCH.

2 CLAIMS

A ring-spinning machine comprising a spindle (20), a controllable drive (210) for driving said spindle, a thread guide device (30), an independent drive (310) for driving said thread guide device, a drafting arrangement (40), a drive (402) for driving said drafting arrangement, the said drives (21, 310, 402) being connected via supply leads (502) to a control (50), and a processor (501) coupled with said control (50), wherein said processor (501) has an input unit for the alteration of the setting parameters.



COMP. SPECN : 10

PAGES: DRAWING: 2

188225

H 04 M 3 / 4 2

AT & T CORP.,
OF 32 AVENUE OF THE AMERICAS, NEW YORK,
NEW YORK, 10013-2412, USA.
A US COMPANY.

1. RICHARD F BRUNO,
2. ROSEMARY H HARRIS.

23-Feb-95

8 CLAIMS

FIG. 3

The diagram illustrates a video shopping system architecture. It begins with a user in a home environment interacting with a video terminal (10) and a video tape (12). The user expresses a desire to place an order ("I'D LIKE TO ORDER."). This request is processed by a Video Agent (18), which provides a personalized greeting and displays a "HOME SHOPPER" interface showing account details for Jane Doe, including a balance of \$252.99 and available credit of \$5,647.81.

The system's core components include a Local Exchange Carrier (LEC) (22) and a Centralized Switch (26). The LEC facilitates communication between the user's terminal and the central switch. The switch manages data flow, connecting to various databases and support systems through a Signalling Network (32).

The Signalling Network (32) consists of multiple Signal Transfer Points (STPs), specifically STP 34 and STP 36. These STPs are interconnected with several key databases and support systems:

- Direct Services Database MCP (38)
- User Support System (40)
- Direct Services Database MCP (42)
- User Support System (44)
- Inmate Data Base MCP (46)
- Network Support System (48)

Data Recordings (30) are also linked to the Centralized Switch (26) for storage and retrieval of transaction information.

Ind.Class – 86-D

188226

Int.Cl.⁴ - A 47 C 27/00**“COIR FIBRE BOARDS AND A METHOD OF MAKING THE SAME”**

Applicant: COIR BOARD, of P.O. Kalavoor – 688 522, Alleppety, Kerala, a Government of India Undertaking.

Inventors: (1) M. SUDHAKARAN PILLAI, (KARNATAKA)
(2) R. VASUDEV, (KARNATAKA),

Application No. 267/MAS/95 Dated: March 07, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972),
Patent Office, Chennai Branch.

20 Claims

Coir fibre board comprising at least one sheet of uncurled coir fibre obtained from curled and mechanically degraded coir fibre impregnated with 40 to 80% by its weight of phenol formaldehyde resin, to bond the embedded uncurled coir fibre on hot pressing.

(Com. – 14 pages)

Ind.Class - 86-D

188227

Int.Cl.⁴ - A 47 C 27/00**“COIR MATTING BOARDS AND A METHOD OF
MAKING THE SAME”**

Applicant: COIR BOARD, of P.O. Kalavoor 688 522, Alleppey, Kerala,
a Government of India Undertaking.

Inventors: (1) M. SUDHAKARAN PILLAI, (KARNATAKA)
(2) R. VASUDEV, (INDIA).

Application No. 268/MAS/95 dated: March, 07, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972),
Patent Office, Chennai Branch.

15 Claims

A coir matting board comprising at least one coir matting coated with phenol formaldehyde resin to impregnate and cover the surface thereof. the said resin bonding the matting and providing the desired finish on hot pressing.

(Com. - 4 pages)

Ind.Class - 113-I

188228

Int.Cl.⁴ - B 60 Q 1/00**"VEHICULAR LAMP HAVING WATERPROOF COVER"**

Applicant: KOITO MANUFACTURING CO., LTD., 8-3, Takanawa 4-chome, Minato-ku, Tokyo, Japan, a Japanese Company.

Inventors: (1) MASATAKA CHOJI, (JAPAN)
(2) NAOSHI KAWAMURA, (JAPAN)

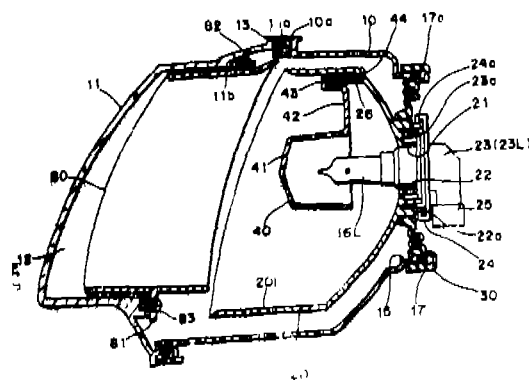
Application No. 273/MAS/95 dated: March 08, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972),
Patent Office, Chennai Branch.

6 Claims

A vehicular lamp having a waterproof cover (30) and in which a reflector (20) is contained within a lamp body (10), the lamp body having an opening (15) into which a bulb socket supported by the reflector is inserted, and the waterproof cover (30) waterproofing said opening, the improvement comprising a cylindrical upright wall (17) formed along a circumferential edge of said opening, an inner portion of the waterproof cover is in close contact with the circumferential surface of at least one of the reflector and a bulb socket, and an outer portion of the waterproof cover comprising an inner part and an outer part connected to each other by a connecting part, wherein at least a portion of said wall is sandwiched between said inner part and said outer part of said outer portion and a first engaging part protrudes from an inner surface of said wall, said first engaging part engaging a second engaging part protruding from said inner part of the outer portion of the waterproof cover for securing the outer portion of said wall.

FIG. 3



(Com. - 34 pages; Drwgs. - 10 sheets)

Ind. Cl. : 83 A 1 188229

Int Cl⁴ : A 23 G - 1 / 00

"A PROCESS FOR THE PRODUCTION OF A COMPOUND LIQUOR SUITABLE FOR MAKING COMPOUND COAKINGS AND ALTERNATIVES TO CHOCOLATE."

APPLICANT(S) : SOCIETE DES PRODUITS NESTLE S.A.
OF CASE POSTALE 353, CH-1800 VEVEY,
SWITZERLAND.(A SWISS BODY CORPORATE OF
VEVEY, SIWTZERLAND)

INVENTOR(S) : 1. MANEZ, ANGEL; (SPAIN)
2. BARFUSS, DAVID. (USA)

APPLICATION NO : 504 MAS 99 filed on 29-Apr-99

CONVENTION NO : 09/102,217 on 22-Jun-98 US.

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
(RULE 4 , PATENTS RULES, 1972)PATENT OFFICE, CHENNAI BRANCH.

17 CLAIMS

A process for the production of a compound liquor suitable for making compound coatings and alternatives to chocolate said process characterized by mixing a cocoa powder which has been obtained from cocoa beans without any roasting treatment with a confectionery fat and roasting the mixture of cocoa powder and confectionery fat to produce the compound liquor at a temperature above 100⁰ C.

COMP. SPECN : 13

PAGES:

DRAWINGS:- SHEETS

Ind.Class – 32-B & 55-D₁Int.Cl.⁴ - A 01 N 27/00
A 01 N 25/06

188230

“A PROCESS FOR THE PREPARATION OF A NOVEL HERBAL ANTI-MAGGOT AND TOPICAL CARE COMPOSITION”

Applicant: NATURAL REMEDIES PRIVATE LTD., an Indian Firm, having its Registered. Office, at No. 164/3, Vasavi Temple Road, V.V. Puram, Bangalore – 560 004, Karnataka, India.

Inventor: AMIT AGARWAL, (INDIA).

Application No. 565/MAS/99 dated: May 18, 1999.

Complete Specification left: November 08, 1999.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

8 Claims

A process for the manufacture of herbal anti-maggot and topical care composition comprising,

Step (1): preparation of the active mix by taking:

- distillates of Eucalyptus - 10 to 20% w/w of the said active mix.
- distillates of Cedrus - 8 to 15% w/w of the said active mix,
- distillates of Pnus - 13 to 23% w/w of the said active mix,

and mixing thoroughly with a known emulsifier in the range of 1-5% w/w of the said active mix to get a homogenous mix and again mixing the above said homogenous mixture with,

- extract of Curcuma - 0.5 to 1% w/w of the said active mix
- a known solvent - 15 to 25% w/w of the said active mix
- a known excipient - 12 to 18% w/w of the said active mix
- a known emulsifier - 1 to 5% w/w of the said active mix

and mixing thoroughly to get the resultant homogenous Active mix

Step (2): mixing the above said homogenous Active mix in the range of 40-50% w/w of the final composition with a known base taken in the range of 50-60% w/w of the final composition and filling the said final composition in a container in a conventional manner.

(Prov. – 4 pages; Com. – 9 pages)

Ind. Cl. : 151 A₁ D 188231

Int Cl⁴ : F 16 L - 9 / 10

" A METHOD FOR PRODUCING A CYLINDRICAL BODY
HAVING AN INTERNAL CEMENTITIOUS LINING"

APPLICANT(S) : AMSTED INDUSTRIES INCORPORATED
205 NORTH MICHIGAN AVENUE 44TH FLOOR-
BOULEVARD TOWERS SOUTH CHICAGO,
ILLINOIS 60601, USA.

INVENTOR(S) : 1. C. GILMER LOVING;
2. STEVEN FARKAS.

APPLICATION NO : 276 MAS 95 filed on 8-Mar-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
(RULE 4 , PATENTS RULES, 1972) PATENT OFFICE, CHENNAI BRANCH.

16 CLAIMS

A method for producing a cylindrical body having an internal cementitious lining, said method comprising: preparing a mixture of cementitious mortar comprising calcium alumina cement, a plasticizer and water, applying such mixture to the internal surface of a cylindrical body, rotating said cylindrical body at a speed sufficient to assure that said mixture is spread evenly across said internal surface to form an internal cementitious lining in said cylindrical body, coating said internal lining with a sealing coating, and curing said cementitious lining.

COMP. SPECN : 15

PAGES: DRAWING: 1 SHEETS

Ind. Cl. : 80 I 188232

Int Cl⁴ : E 21 B 43 / 08

" COILED WELL SCREEN "

APPLICANT(S) : NAGAOKA INTERNATIONAL CORPORATION
2-2-91 MOKUZAI DORI, MIHARA-MACHI
MINAMI KAWACHI-GUN OSAKA-FU,
JAPAN.

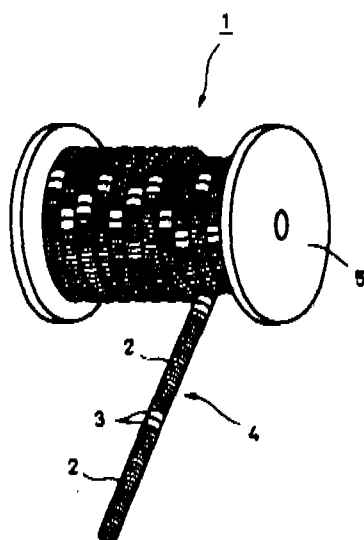
INVENTOR(S) : 1. TADAYOSHI NAGAOKA
2. DERRY D. SPARLIN.

APPLICATION NO. 277 MAS 95 filed on 08-Mar-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
(RULE 4 , PATENTS RULES, 1972) PATENT OFFICE, CHENNAI BRANCH.

12 CLAIMS

A coiled well screen comprising an elongated and flexible tubular screen member wound in the shape of a coil, said tubular screen member comprising support means disposed cylindrically and extending in the axial direction of the screen, and wire means disposed on the outer periphery of the support means to form slits of a predetermined width.



COMP. SPECN : 32

PAGES: DRAWING: 14 SHEETS

Ind. Cl : 32 E 188233

Int Cl⁴ : C 08 J 9/00

"A METHOD OF PRODUCING A POLYSTYRENE FOAM ARTICLE"

APPLICANT(S) : ACI OPERATIONS PTY LTD
15TH FLOOR, 390 ST KILDA ROAD
MELBOURNE, VICTORIA 3004
AUSTRALIA (AN AUSTRALIAN COMPANY)

INVENTOR(S) : 1. GRAHAM RAMLU SANYASI

APPLICATION NO : 287 MAS 95 filed on 10-Mar-95

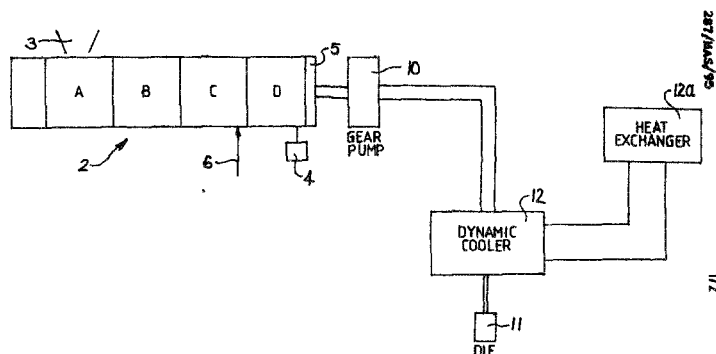
CONVENTION NO : 57773/94 on 11-Mar-94 AUSTRALIA

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
(RULE 4, PATENTS RULES, 1972) PATENT OFFICE, CHENNAI BRANCH.

19 CLAIMS

1. A method of producing a polystyrene foam article of enhanced physical strength in which the article is thermoformed from an extruded polystyrene foam, said method comprising the steps of;

- (a) intimately mixing a blowing agent consisting essentially of a natural gas or gases in polystyrene melt to form an homogenous resin mix, said blowing agent containing between 5.5% and 10% by weight CO₂ to the weight of the resin;
- (b) extruding the resin mix through an exit die into a region of lower pressure while maintaining the temperature of the resin mix below the critical temperature, such as herein described, at the point of extrusion out of the exit die to form a polystyrene foam sheet; and
- (c) thermoforming said polystyrene foam sheet without reheating the sheet so as to form an article immediately after extrusion of the resin mix through the exit die.



Ind. Cl. 40 E 188234
 Int Cl. F 25 J 3 / 04

"A METHOD OF PRODUCING ONE OR MORE PRODUCTS SUCH AS OXYGEN, NITROGEN, AND ARGON FROM AIR AND AN APPARATUS THEREFOR"

APPLICANT(S) THE BOC GROUP PLC
 AN ENGLISH COMPANY CHERTSEY ROAD
 WINDLESHAM SURREY GU20 6 HJ ENGLAND

INVENTOR(S) 1 PAUL HIGGINBOTHAM

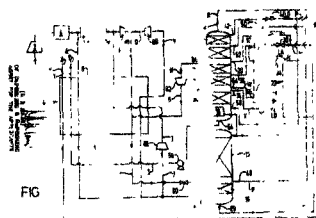
APPLICATION No. 288 MAS 95 filed on 10-Mar-95

CONVENTION No. 405072.1 on 15-Mar-94, GB.

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
 (RULE 4, PATENT RULES, 1972) PATENT OFFICE, CHENNAI BRANCH

13 CLAIMS

A method of producing one or more products such as oxygen, nitrogen and argon from air, the said method comprising the steps of cooling a first compressed air stream to a predetermined temperature suitable for its separation by rectification, separating nitrogen from the cooled first air stream in a higher pressure rectification column, employing directly or indirectly a stream of oxygen-enriched liquid air withdrawn from the higher pressure column as a feed stream to a lower pressure rectification column, withdrawing a liquid stream from an intermediate mass exchange region of the higher pressure rectification column and introducing the liquid stream into the lower pressure rectification column as a further feed stream, separating the said feed streams into nitrogen and oxygen in the lower pressure rectification column, withdrawing oxygen and nitrogen products from the lower pressure rectification column and employing them to cool incoming air for separation by indirect heat exchange therewith, collecting a liquid nitrogen product from the lower pressure rectification column, separating an argon product in a further rectification column from an argon-enriched oxygen stream withdrawn from the lower pressure rectification column, cooling a second compressed air stream, expanding the cooled second air stream in a first expansion turbine, introducing the resulting expanded second air stream into the lower pressure rectification column, cooling a third compressed air stream, expanding the cooled second air stream in a first expansion turbine, introducing the resulting expanded second air stream into the lower pressure rectification column, cooling a third compressed air stream, expanding the cooled third air stream in a second expansion turbine, introducing the resulting expanded third air stream into the higher pressure rectification column, and expanding a compressed fourth air stream in a third expansion turbine which has an outlet temperature above that of each the first and second turbines, further cooling the resulting expanded fourth air stream and introducing the further cooled fourth air stream into one or both of the higher pressure and lower pressure rectification columns



Ind. Cl. : 65 B 3 188235

Int Cl⁴ : H 01 F - 29 / 04

" LOAD SELECTOR "

APPLICANT(S) : MASCHINENFABRIK REINHAUSEN GMBH
A COMPANY ORGANISED UNDER THE LAWS OF
GERMANY OF FALKENSTEINSTRASSE 8,
93059 REGENSBURG GERMANY.

INVENTOR(S) : 1. WERNER FRIEDERICH;
2. ROLF STREMPER

APPLICATION NO : 319 MAS 95 filed on 16-Mar-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
(RULE 4 , PATENTS RULES, 1972) PATENT OFFICE, CHENNAI BRANCH.

7 CLAIMS

A load selector comprising a cylindrical oil vessel provided at its inner side with a set of fixed tap contacts, a rotatable switch shaft extending in the interior of the vessel, a contact carrier mounted on the shaft by way of the two-part clamping ring, and at least one switch contact carried by the carrier and co-operable with the fixed tap contacts, wherein the carrier is fixedly connected to one of the parts of the clamping ring and the two parts of the ring embrace the shaft and are tightened together by fastening means disposed outside the shaft.

OOMP. SPECN : 9

PAGES: DRAWING: 1 SHEETS

Ind. Cl : 83 B 5 : 143 D 4 188236

Int Cl⁴ : B 65D 73 / 00 ; 85 / 72

" MULTIPLE COMPARTMENT PACKAGE FOR
USE IN THE PACKAGING OF ARTICLES"

APPLICANT(S) : THE PILLSBURY COMPANY
A CORPORATION ORGANIZED AND EXISTING
UNDER THE LAWS OF THE STATE OF DELAWARE,
200 SOUTH SIXTH STREET MINNEAPOLIS
MINNESOTA 55402 USA

INVENTOR(S) : 1. MICHAEL R PERRY;
2. JOSEPH C MCDILDA;
3. MICHAEL J RICE.

APPLICATION NO : 331 MAS 95 filed on 20-Mar-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
(RULE 4 , PATENTS RULES, 1972) PATENT OFFICE, CHENNAI BRANCH.

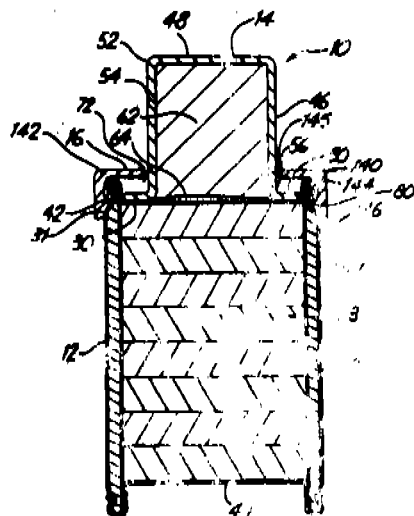
10 CLAIMS

1. A multiple compartment package for use in the packaging of articles, comprising;

a first cylindrical compartment portion having a main cylindrical body with a cylindrical wall, first end and an opposing second end, the cylindrical wall having a recess proximate to the first end, the first cylindrical compartment portion further having a lid attached to the first end;

a second cylindrical compartment portion having a flange integral to the compartment wherein the flange is in contact with the lid and is positioned in close relation to the lid; and

a retainer for retaining the first compartment portion in close relation to the second compartment portion, the retainer restricting movement of the flange from the lid and having at least one feature positioned within and for engagement with the recess of the first cylindrical compartment portion.



COMP SPECN : 22

PAGES: DRAWING. 5 SHEETS

Ind. Cl. : 172 188237

Int Cl⁴ D 01 H 13 / 22

"AN APPARATUS FOR DETERMINING PRODUCTION-RELATED CAUSES OF FAULTS IN YARNS, ROVINGS AND SLIVERS"

APPLICANT(S) : ZELLWEGER LUWA AG
A SWISS COMPANY WILSTRASSE 11
CH-8610 USTER SWITZERLAND.

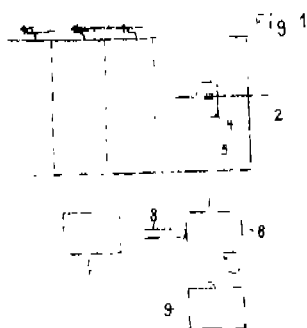
INVENTOR(S) : 1. RUDOLF MEIER;
2. PETER F AEMMER.

APPLICATION NO : 340 MAS 95 filed on 21-Mar-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
(RULE 4 , PATENTS RULES, 1972) PATENT OFFICE, CHENNAI BRANCH.

4 CLAIMS

An apparatus for determining production-related causes of faults in yarns, rovings and slivers, comprising a sensing and evaluation means (4,6) for sensing and evaluating the extent of individual faults, the output of said sensing and evaluation means being connected to a computing unit (9) for counting and classifying the faults sensed by the sensing means (4) and a data input and output unit (7) to provide a fault pattern from the counted and classified faults.



COMP. PAGES 1

PAGES. DRAFTING SHEETS

Ind. Cl. : 32 E 188238

Int Cl⁴ : C 08 F 110 / 02

A FILM PRODUCED FROM A BLEND OF POLYETHYLENE
ELASTOMER AND POLYETHYLENE PLASTOMER
AND A METHOD OF PRODUCING THE SAME

APPLICANT(S) : MORTON PERFORMANCE
PLASTICS CORPORATION
150 DAY ROAD, WAYNE, NEW JERSEY 07470
USA
A US COMPANY.

INVENTOR(S) : 1. MICHAEL FRIEDMAN.

APPLICATION NO : 343 MAS 95 filed on 21 Mar-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
(RULE 4 , PATENTS RULES, 1972) PATENT OFFICE, CHENNAI BRANCH.

10 CLAIMS

A film produced from a blend of (A) a metallocene catalyzed polyethylene elastomer having a density of at least 0.900 g/ccm, and (B) a metallocene catalyzed polyethylene elastomer having a density lower than 0.900 g/ccm wherein components A and B are blended in a ratio of from 70 wt % to 97 wt % of A to 3 wt % to 30 wt % of B.

COMP. SPECN : 38

PAGES: DRAWING: NIL

Ind. Cl. : 172 C 5 188239

Int Cl⁴ : D O 1 G 21 / 00

"A FEED DEVICE FOR FEEDING A NUMBER OF SLIVERS"

APPLICANT(S) : MASCHINENFABRIK RIETER AG
A SWISS COMPANY KLOSTERTRASSE 20
CH-8406 WINTERTHUR SWITZERLAND.

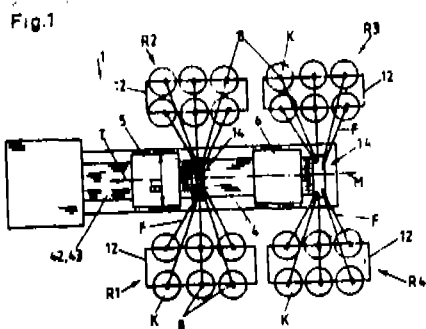
INVENTOR(S) : 1. WALTER SLAVIK;
2. CHRISTIAN SPOERRI;
3. PAUL SCHEURER.

APPLICATION NO 369 MAS 95 filed on 27-Mar-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
(RULE 4, PATENTS RULES, 1972) PATENT OFFICE, CHENNAI BRANCH.

32 CLAIMS

A feed device for feeding a number of slivers (F) delivered from various take-off points (8) to a pair of intake rollers (41) of a draft system (5,6), in which the slivers, which are delivered approximately horizontally and transversely relative to the delivery direction (T) of the draft system (5,6), are deflected and presented to the draft system transversely relative to the axes of rotation (40) of the pair of intake rollers (41), characterized in that the feed device (14) consists of several guide elements (16a-16f; 55a-55o) which are distributed over the width (B1) of the draft system (5,6), for individually deflecting the separate slivers (F) downwards into a delivery direction (T) aligned transversely relative to the horizontal delivery direction (D).



COMP. SPECN : 18

PAGES: DRAWING:7 SHEETS

Ind. Cl. : 55 F 188240

Int Cl⁴ : C 12 N 9 / 28

" A METHOD OF PRODUCING AN
ALPHA-AMYLASE WITH IMPROVED ACTIVITY"

APPLICANT(S) : NOVOZYMES A/S,
A DANISH COMPANY, OF KROGSHOJVEJ
36,DK-2880 BAGSVAERD, DENMARK.

INVENTOR(S) : 1. HELLE OUTTRUP; 4. MICHAEL DOLBERG RASMUSSEN;
2. HENRIK BISGARD-FRANTZEN; 5. PIA VAN DER ZEE.
3. PETER RAHBK OSTERGAARD;

APPLICATION NO : 382 MAS 95 filed on 29-Mar-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
(RULE 4 , PATENTS RULES, 1972)PATENT OFFICE, CHENNAI BRANCH.

2 CLAIMS

A method of producing an improved α amylase, having a specific activity at least 25% higher than the specific activity of *Bacillus licheniformis* α -amylase at a temperature in the range from 25⁰ C to 55⁰C and at pH 10, using the α amylase activity assay as described herein, comprising the steps of cultivating on and culturing in a known medium.

- (a) a *Bacillus* cell selected from the group of NCIB 12289, NCIB 12512, NCIB 12513 and DSM 9375 such as herein described,
- (b) a cell selected from the group of gram positive bacterium such as *Bacillus subtilis*, *Bacillus licheniformis*, *Bacillus lentus*, *Bacillus brevis*, *Bacillus stearothermophilus*, *Bacillus alkalophilus*, *Bacillus amyloliquefaciens*, *Bacillus coagulans*, *Bacillus circulans*, *Bacillus lautus*, *Bacillus thuringiensis*, *Streptomyces lividans*, *Streptomyces murinus*, or a gramnegative bacterium such as *E.coli*, comprising a DNA sequence encoding an α -amylase of SEQ ID NO: 1 OR SEQ ID NO 2: or a DNA sequence enclosing an α -amylase which is at least 95% homologous to SEQ ID NOS. 1 or 2;
- (c) recovering the α - amylase from the culture medium by known methods.

COMP. SPECN : 55 PAGES: DRAWING: 5 SHEETS

Ind. Cl. : 128 F 188241

Int Cl⁴ : A 61 M 1 / 02; G 01 G 17 / 04

" A BLOOD DONATION MONITOR"

APPLICANT(S) : MAX-MEDICAL PTY LTD,
A COMPANY INCORPORATED IN THE STATE OF
WESTERN AUSTRALIA, OF 15 LOFTUS STREET,
NEDLANDS, WESTEN AUSTRALIA, AUSTRALIA 6009

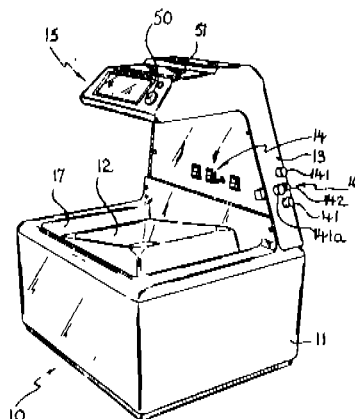
INVENTOR(S) : 1. MAXWELL EDMUND WHISSON.

APPLIGATION NO : 141 MAS 95 filed on 06-Feb-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
(RULE 4 , PATENTS RULES, 1972)PATENT OFFICE, CHENNAI BRANCH.

14 CLAIMS

A blood donation monitor comprising; a support platform (12) rockably supported by a support (18); a drive means (37,39,40) supported from the said support and operatively connected to the said support platform for joint pivotal movement of the support platform about two axes; a weight sensor (23) associated with the said support for the said support platform; a display to display a value representative of the quantity of blood in the receptacle determined from the output of the said weight sensor (23); a flow line support (16) to receive a flow line from a receptacle to be supported on the said support platform, said flow line support having a flow control means (42) to control the flow through the flow line to the receptacle; a controller operatively connected to the flow control means to periodically derive an input form the said weight sensor and monitor the rate of change of weight of the contents of the said support platform; to activate the said flow control means (42) to close the flow line on delivery of the predetermined quantity of blood to the receptacle through the flow lines; to activate the said flow control means on detecting a variation in weight sensed by the said weighing means which is contrary to expected variations, to display a signal indicative of the presence of an unexpected variation in weight on the said display.



Ind. Cl. :	129 G	188242
Int. Cl. :	B 23 Q - 15 / 00	

" A TELEMETRY DEVICE FOR REGULATING THE SPEED AND
FEED OF A ROTATING TOOL IN MACHINING OPERATIONS."

APPLICANT(S) : INDIAN INSTITUTE OF TECHNOLOGY, IIT PO,
MADRAS 600036, TAMIL NADU, INDIA,
AN AUTONOMOUS BODY SET UP BY THE
GOVERNMENT OF INDIA UNDER AN ACT OF PARLIAMENT

INVENTOR(S) : 1. PROF. RAMALINGAM KRISHNAMURTHY; 2. MANI PUGAZHENDI;
3. MALLASAMUDRAM VENKATASUBRAMANIAN SRINIVASAN;
4. METTUPALAYAM APPAVOO VELUSAMI.

APPLICATION NO : 261 MAS 95 filed on 6-Mar-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
(RULE 4 , PATENTS RULES, 1972) PATENT OFFICE, CHENNAI BRANCH.

4 CLAIMS

A telemetry device for regulating the speed and feed of a rotating tool, and thus for regulating the torque and thrust on the tool in machining operations, comprising first and second parts, the first part incorporating an adapter and a former, the adapter for holding the tool, said adapter containing a strain gauge for sensing the thrust (force) and torque on the tool; the former containing an exciter for exciting the strain gauge, an amplifier for amplifying the output torque and thrust signals of the strain gauge, a converter for converting the said signals from voltage form to frequency form, a wave shaper for shaping the resulting wave form to substantially sinusoidal, mixer for mixing the frequency signals, a modulator and a transmitter for frequency modulated transmission of the mixed signal; the said second part of the telemetry device for receiving the transmitted signal, said system containing a demodulator for demodulating the transmitted signal, band pass filters for separating the demodulated signal into force and torque signals, a converter for re-converting the said signals from frequency form to voltage form; an encoder disposed near the spindle head of the machine for measuring the spindle speed in terms of voltage, a sensor unit operable by the feed motor mechanism of the machine to furnish the cutting cycle status signal; a PC based data acquisition and control logic unit, the said data acquisition unit receiving the re-converted torque and thrust output signals, the output signal of the encoder and the cutting cycle status signal for assessing the same; a speed variator operable by the control logic unit for regulating the spindle motor and the machine control unit for regulating the speed and feed of the said tool and thus the torque and thrust thereon.

Ind. Cl. :

172C4

188243

Int Cl⁴ :

DO1H 5 / 00

" A TEXTILE MACHINE FOR PROCESSING A FIBRE FLEECE"

APPLICANT(S) :

MASCHINENFABRIK RIETER AG
A SWISS COMPANY
KLOSTERTRASSE 20
CH-8406 WINTERTHUR
SWITZERLAND

INVENTOR(S) :

1. SLAVIK WALTER; 2. SCHEURER PAUL.

APPLICATION NO :

321 MAS 95

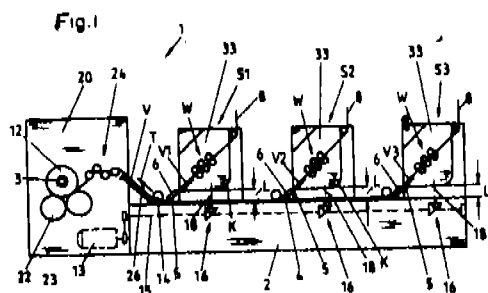
filed on

16-03-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
(RULE 4 , PATENTS RULES, 1972) PATENT OFFICE, CHENNAI BRANCH.

6 CLAIMS

A textile machine for processing a fibre fleece (V) which is supplied by way of a feed table (2) and is formed by several superimposed fibre fleeces (V1, V2, V3), with the individual fibre fleeces (V1, V2, V3) being supplied at a distance and from above the feed table (2) and from successively disposed drawing units (S1 to S3) to the feed table and being mutually doubled and the axes (A) of the drafting rollers (W) of the drawing units being aligned transversally to the feeding direction (T) of the fibre fleece (V) of the feed table (2), wherein at least the drawing unit (S1, S2) under which a fibre fleece (V3, V2) of an adjacent drawing unit (S2, S3) is guided through is supported on only one side of the fibre fleece (V) by a bearing housing (10) to build a clearance (L) between the feed table (2) and the part of the drawing unit (S1 to S3) which projects from the bearing housing (10) over the feed table (2).



Comp.Specn. 12 pages; Drgs.1 Sheets.

Ind. Cl. : 84 A , 84 B , 140.A.₂ 188244

Int Cl⁴ : B 01 J 35 / 10; B 01 J 21 / 12; B 01 J 23 / 40;

" AN IMPROVED PROCESS FOR PRODUCING VALUE ADDED PRODUCTS SUCH AS KEROSENE, GAS OILS, LUBRICATING OIL"

APPLICANT(S) : INSTITUT FRANCAIS DU PETROLE
A FRENCH COMPANY OF 4, AVENUE DE BOIS
PREAU 92502 RUEIL MALMAISON FRANCE.

INVENTOR(S) : 1. MIGNARD SAMUEL; 3. KASZTELAN SLAVIK;
2. MARCHAL NATHALIE; 4. BIGEARD PIERRE-HENRI;
5. BILLON ALAIN.

APPLICATION NO : 362 MAS 95 filed on 24-Mar-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
(RULE 4 , PATENTS RULES, 1972)PATENT OFFICE, CHENNAI BRANCH.

7 CLAIMS

An improved process for producing value added products such as kerosene, gas oils, lubricating oil by hydroisomerizing heavy petroleum feeds with boiling points of essentially greater than about 350⁰ C, with a nitrogen content of less than about 200 ppm by weight and a metal content of less than about 50 ppm by weight, the improvement comprising carrying out the hydroisomerization at a temperature of 200-450⁰C, at a partial pressure of hydrogen of 2-25 Mpa, at an hourly space velocity 0.1-10h⁻¹ and a hydrogen feed volume ratio of 100-2000, in the presence of a catalyst comprising 0.05-10% by weight of at least one metal from group VIII which is Pt, Pd, Ir, Rh, Ru, or Os deposited on an amorphous silica-alumina support, said catalyst containing neither zeolite nor halogen, and having a constant silica content, wherein said support contains 5-70% by weight of silica and has a BET specific surface area of 100-500 m²/g, the catalyst having an average pore diameter of between 1-12 nm, a pore volume of pores with diameters between the average diameter reduced by 3nm and the average diameter increased by 3 nm, of more than 40% of the total pore volume, a group VIII metal dispersion of between 20-100% a distribution coefficient for the group VIII metal of more than 0.1.

COMP. SPECN : 18 PAGES:

DRAWING NIL SHEETS

Ind. Cl. : 129 N 188245

Int Cl⁴ : B O 5 D 005 / 12;
B 23 K 001 / 20; 35 / 00;
H 05 K 3 / 34.

A FLUX COMPOSITION FOR SOLDERING"

APPLICANT(S) : INTERNATIONAL BUSINESS MACHINES CORPORATION
ARMONK, NEW YORK 10504 USA.
(A COMPANY ORGANIZED AND EXISTING UNDER
THE LAW OF THE STATE OF NEW YORK, USA.)

INVENTOR(S) : 1. ROY LYNN ARLDT; 4. ISSA SAID MAHMOUD;
2. SUSAN HANZELKA DOWNEY; 5. JAMES (NMN) SPALIK;
3. HARRY JAMES GOLDEN; 6. CLEMENT ADINDU OKORO.

APPLICATION NO : 418 MAS 95 filed on 05-Apr-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
(RULE 4 , PATENTS RULES, 1972) PATENT OFFICE, CHENNAI BRANCH.

9 CLAIMS

A flux composition for soldering comprising 1 to 6 percent by weight of pimelic acid, 25 to 75 percent by weight of a first organic solvent such as herein described, 10 to 35 percent by weight of a second organic solvent such as herein described and 0 to 2 percent by weight of water; wherein, said second organic solvent has a higher evaporation temperature than said first organic solvent and said pimelic acid, said second organic solvent and water are soluble in said first organic solvent.

COMP. SPECN : 16

PAGES: DRAWING: 1 SHEETS

Ind. Cl. : 39 L , 6 A 2. 188246

Int Cl ⁴ : B 01 D 53 / 00

"AN IMPROVED METHOD OF PRODUCING AN
EXHAUST GAS FREE OF NITROGEN OXIDES"

APPLICANT(S) : EBARA CORPORATION,
A JAPANESE BODY CORPORATE OF
11-1, HANEDA ASAHI-CHO, OHTA-KU, TOKYO
JAPAN.

INVENTOR(S) : 1. MUTSUMI SAITO;
2. TATSUYA NISHIMURA;
3. TAKESHI YOSHIOKA.

APPLICATION NO : 667 MAS 95 filed on 05-Jun-95

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
(RULE 4 , PATENTS RULES, 1972)PATENT OFFICE, CHENNAI BRANCH.

3 CLAIMS

An improved method of producing an exhaust gas free of nitrogen oxides, comprising the steps of adding ammonia to exhaust gas, irradiating the ammonia-supplemented exhaust gas with electron beams at a dose of 0.1-30 kGy, the gas being allowed to flow at a rate of 1.0-25 m/s and at a temperature between the dew point and 100 ° C; and separating the byproduct from the irradiated exhaust gas by means of an electrostatic precipitator and / or a bag filter; the improvement being that the electron beams have a pulsed temporal and spatial shape and have a pulse frequency of 10 Hz-100 k Hz and a pulse duration of 10^{-8} to 10^{-5} seconds whereas the non-irradiation region lasts for a time interval of 10^{-5} to 10^{-1} second.

COMP. SPECN : 12

PAGES: DRAWING:6 SHEETS

Ind.Class - 32-B

188247

Int.Cl.⁴ - C 07 C 47/21**"PROCESS FOR THE MANUFACTURE OF DIHYDROCITRAL"**

Applicant: F HOFFMANN-LA ROCHE AG, 124, Grenzacherstrasse, CH-4070
Basle, Switzerland, a Swiss Company.

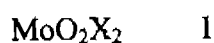
Inventor: WERNER ^NBORATH, (GERMANY)

Application No. 381/MAS/99 Dated: April 01, 1999.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972),
Patent Office, Chennai Branch.

11 Claims

A process for the manufacture of dihydrocitral by the catalytic rearrangement of dihydrodehydrolinalool to dihydrocitral which process comprises carrying out the rearrangement in the presence of 0.1-8 mol%, based on the amount of dihydrodehydrolinalool employed, of a molybdenum compound of the general formula



wherein X signifies an acetylacetonate or halide ion, and a dialkyl or diaryl sulphoxide as the catalyst system, in the presence of an organic acid having a pK value in the range of 4.0 to 6.5, in an apolar aprotic organic solvent, and at temperatures in the range of 80°C to 140°C.

(Com. - 12 pages)

Ind. Cl. : 55 E 2 188248

Int Cl⁴ : A 61 K 35 / 00

" METHOD OF PREPARATION OF AN AYURVEDIC
FORMULATION FOR THE TREATMENT OF BURNS"

APPLICANT(S) : K.N MARKOSE
KOTHAKARIYIL THRIKKOTHAMANGALAM P.O.
KOTTAYAM - 686 011
KERALA.

INVENTOR(S) : 1 KOTHAKARIYIL NINAN MARKOSE.

APPLICATION NO : 409 MAS 99 filed on 12/04/1999

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
(RULE 4 . PATENTS RULES, 1972)PATENT OFFICE, CHENNAI BRANCH.

1 CLAIM

Method of preparation of an Ayurvedic formulation for the treatment of burns, where in the expressed juice (Swarasa) of Thotavadi (Mimosa Pudica) which is prepared by crushing and pounding 1 Kg of Thotavadi adding 4 litres of water, and the paste (Kalka) prepared by grinding 40 gms each of padakizhangu (Cycleapeltata) and Onion (Alivum Sepa) separately. are mixed to ¹/₁ litre of coconut oil taken in a clean vessel and the whole mixture is kept over low flame and stirred continuously until the kalka attains the stage of gravel (Kharapakam) and the product filtered to a clean vessel.

COMP. SPECN : 6

PAGES: DRAWING NIL

Ind.Class – 88-B

188249

Int.Cl.⁴ - B 01 D 47/10

**“A PROCESS FOR MAKING A LIQUID ENRICHED WITH OXYGEN
AND AN APPARATUS THEREOF”**

Applicant: LIFE INTERNATIONAL PRODUCTS INC., of 8889, Pelican Bay Boulevard, Naples, Florida 34108, U.S.A., a U.S. Company.

Inventors: (1) **HOWARD LITTMAN**, (USA)
(2) **KENT L. PETERSON**, (USA)

Application No. 415/MAS/99 dated April 13, 1999.

Convention date: April 28, 1998; (No. 09/067,689, U.S.A.)

Appropriate Office for Opposition Proceedings,
(Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

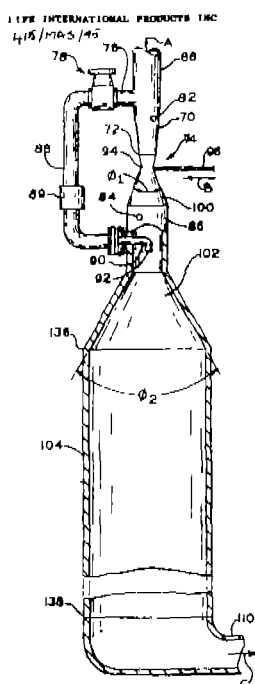
27 Claims

A process for making a liquid enriched with oxygen, comprising the steps of:

- (a) introducing a liquid under pressure into an injector and flowing said liquid downwardly through said injector at a selected liquid volume flow rate;
- (b) introducing oxygen into the liquid as it flows through the injector to create an admixture of liquid and a first plurality of large oxygen bubbles;
- (c) introducing the admixture of liquid and first plurality of large oxygen bubbles from the injector downwardly into an upper diffuser portion at such velocity as to create a shockwave in the upper diffuser portion;
- (d) breaking the first plurality of oxygen bubbles up into a second plurality of smaller oxygen bubbles with the shockwave, the second plurality greater than the first plurality, whereby the total surface area between the oxygen bubbles and the liquid is increased;
- (e) increasing the pressure of an admixture of liquid and the second plurality of smaller bubbles in the upper diffuser portion, whereby the pressure and pressure gradient of the admixture of liquid and the second plurality of smaller bubbles is increased, thus increasing the buoyancy of the smaller oxygen bubbles;

- (f) introducing the admixture of liquid and the second plurality of smaller bubbles into a lower diffuser portion, whereby the pressure and pressure gradient of the admixture of liquid and the second plurality of smaller bubbles is further increased, thus further increasing the buoyancy of the smaller oxygen bubbles;
- (g) floating at least some of the second plurality of bubbles upwardly against the downward flow of liquid into the upper diffuser portion;
- (h) continuing steps (d) through (g) to continually reduce the size and increase the number of respective bubbles until the bubbles flow with the downwardly flowing liquid from the lower diffuser portion;
- (i) flowing an admixture of liquid and oxygen bubbles downwardly from the lower diffuser portion; and
- (j) recovering said oxygen enriched liquid.

(Com. – 44 pages; Drwgs. – 9 sheets)



Ind. Cl.	83 A 1	188250
Int Cl ⁴	A 23 L - 1 /16	
	" A PROCESS FOR THE PEPARATION OF FLAVOURED NOODLES"	
APPLICANT(S)	SOCIETE DES PRODUITS NESTLE SA of Case Postale 353, CH-2800 Vevey, Switzerland. (a Swiss body coporate of vevey ,Switzerland)	
INVENTOR(S)	1. THE,SHIOK GUAT; (MALAYSIA) 2 SANSFIELD, MARY BRIDGET. (USA)	
APPLICATION NO :	503 MAS 99	Filed on 29-Apr-99
CONVENTION NO :	9801421-0 Dated	16/06/98 in SINGAPORE

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS
(RULE 4 , PATENTS RULES, 1972)PATENT OFFICE, CHENNAI BRANCH.

10 CLAIMS

A process for the preparation of flavoured noodles which comprises blending flour and water to form a dough, sheeting the dough to form dough sheets, slitting the dough sheets into strips of noodles of the desired width, steaming the noodles to gelatinise the starch, then frying or air drying the noodles and cooling the fired or air dried noodles characterised in that flavour ingredients such as herein described are preheated at a temperature of from 60 ° to 100 ° C for a period of from 10 to 90 minutes and the preheated flavour ingredients are added to the dough ingredients or applied to the dough sheets.

COMP. SPECN : 11

PAGES:

DRAWINGS:NIL

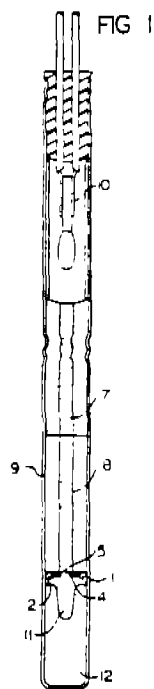
Indian Classification	:	10 B	188251
4			
International Classification	:	F 42 B 1/00	
Title	:	"A DETONATOR AND A METHOD FOR THE MANUFACTURE THEREOF."	
Applicant	:	ICI CANADA, INC., a corporation of Canada, of 90 Sheppard Avenue East, P.O. Box 200, Station A, North York, Ontario, Canada M2N 6H2.	
Inventors	:	JEAN CLAUDE LETUAL- CANADA	

Application for Patent Number 1115/DEL/93 filed on 06.10.93.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi – 110 005.

(17 Claims)

A detonator for improved performance and shock resistance used *inter alia* in mining and other operations, comprising a front-sided and a back-sided disc conforming to a cylinder, said disc insertable within said cylinder wherein said disc comprises a front sided x-axis, y-axis, and z-axis and y-axis centerably fixed in a centerably fixed orifice of said disc, said front sided x-axis sloped in a symmetric and/or an asymmetric geometry or some combination thereof, toward said centerably fixed y-axis by a single or plurality of angles, said angles greater than 0 degrees and less than 90 degrees referenced to said y-axis from said x-axis concentrically radiating through said z-axis, whereby said disc is front-sidedly inserted and slidably mated to said cylinder said disc coming to rest juxtaposed to and shaping thereof, the face of a primary charge



(Complete Specification Pages 14 Drawing Sheet- 1)

Indian Classification	:	159 LMN	188252
International Classification	:	B 61 L 25/00	
Title	:	"ROUTE BORNE EARLY WARNING AND TRAIN CONTROL SYSTEM [ROWTCS]."	
Applicant	:	OM PRAKASH GUPTA., Project Leader, NCR Group, HCL Technologies Ltd., A-11, Sector-16, NOIDA – 201 301 (U.P.)	
Inventors	:	OM PRAKASH GUPTA-INDIA	

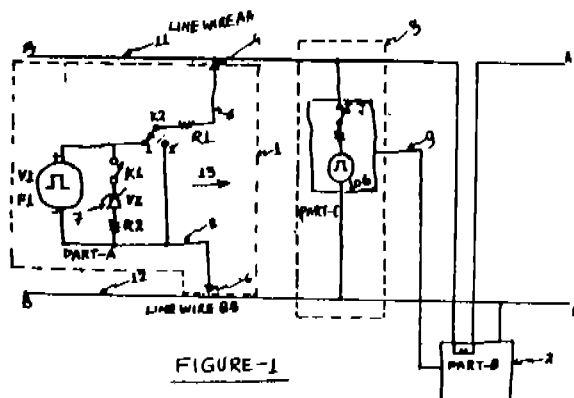
Application for Patent Number 1126/Del/93 filed on 08.10.1993.

Complete left after provisional specification filed on 23.12.1993.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi – 110 008.

(10 Claims)

A "ROUTE BORNE EARLY WARNING AND TRAIN CONTROL SYSTEM [ROWTCS]" comprises a display means and programmable control means placed inside train driver's cabin and a set of wipers attached to train's body to make sliding contacts with two wires laid besides the parallel rails to depict a route for train, the said wires connected to existing tract circuit and control cabin means via controlled pulse generator unit installed at the tract and display cum control panel means installed at control cabin of a railway station for each of the routes, one of the said wires passes through control cabin means to enable display cum control panel means for measurement and control.



Indian Classification	:	140 A 2	188253
4			
International Classification	:	C 10 M 101/00	
Title	:	"A SOLUBLE CUTTING OIL COMPOSITION."	
Applicant	:	COUNCIL OF SCIENTIFIC AND INDUSTRIAL, Rafi Marg, New Delhi-110001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).	
Inventors	:	MANGE RAM TYAGI- INDIA RAJ PAL SINGH BISHT – INDIA VIRENDRA KUMAR BHATIA – INDIA & PRAKASH CHANDRA NAUTIYAL –INDIA.	

Application for Patent Number 1236/DEL/93 filed on 05-11-93.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent
Office Branch, New Delhi – 110 008.

(03 Claims)

A soluble cutting oil composition which comprises 75 to 80% of jojoba oil, 4 to 5% of
sulphurised jojoba oil prepared by the conventional process and an emulsifier in the
range of 15 to 20%.

(Complete Specification Pages 07 Drawing Sheet -Nil)

Indian Classification	:	206 E	188254
4			
International Classification	:	B 41F 15/04	
Title	:	"AN ELECTRONIC BOOK APPARATUS"	
Applicant	:	STEPHEN INNIS McTAGGART, of 6031 E. Mescal Street, Scottsdale, Arizona 85254, United States of America.	
Inventors	:	STEPHEN INNIS McTAGGART - US	
	:		

Application for Patent Number 1253/DEL/93 filed on 9.11.93

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi – 110 008.

(17 Claims)

An electronic book apparatus for combining audio and visual indicia of information, said apparatus comprising:

- a plurality of leaves (120), each leaf comprising pages (122) of visual material on opposing sides thereof, the leaves being bound together at one edge to form a spine (140);
- each leaf (120) including a plurality of interpage connectors (123) located at predetermined positions proximate to the leaf bound edge;
- a plurality of switches (127, 129), each of the switches formed integral to an associated leaf and associated with a portion of the visual material, each switch being operatively connected to respective interpage connectors on the leaf;
- a common electronic circuit (160) for selectively effecting respective outputs related to respective portions of the visual material; and
- interpage conductive paths through the spine (140) electrically connecting the interpage connectors (123) of the respective switches to the common electronic circuit (160), to effect the operation of the said electronic circuit in accordance with activation of the switches on the respective leaves.

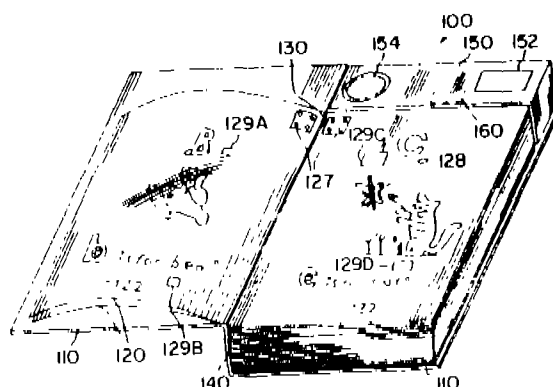


FIG 1

Indian Classification	:	128 G	188255
4			
International Classification	:	A 62 B, 18/00	
Title	:	"MICRO NOSAL POLLUTION MASK."	
Applicant	:	Gian Chander Agarwal S.O. Late Shri G.B. Agarwal, R/o. 75, Raj Nagar, Road No. 43, Pitam Pura, Delhi – 110034 (INDIA)	
Inventors	:	GIAN CHANDER AGARWAL- IN DIA.	

Application for Patent Number 1296/DEL/93 filed on 19-11-93.

Complete left after Provisional filed on 16.11.94

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi – 110 005.

(03 Claims)

A MICRO NOSAL POLLUTION MASK, for use against Environmental pollution as a personal safety, Comprising a Nosal shaped body (1), with adjustable clip (2) and the filter chamber (3) consisting fine Stainless Steel filter (4) And holds a filter cartridge made of four layers of fine black carbon cloth as a base layer, fine quality compressed foam in between, a layer of activated charcoal and filter paper (5).

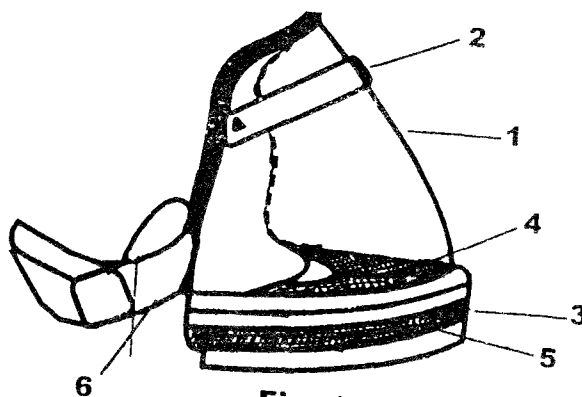


Fig. 1

(Complete Specification Pages 06 Drawing Sheet -1)

(Provisional Specification Pages –3 Drawing sheet- Nil)

Indian Classification	:	206 E	188256
4			
International Classification	:	H 01R 004/24	
Title	:	"A TERMINAL BLOCK APPARATUS"	
Applicant	:	THE SIEMON COMPANY, a corporation of the State of Connecticut, United States of America, of 76 Westbury Park Road, Watertown, Connecticut 06795, United States of America.	
Inventors	:	JOHN AUSTIN SIEMON HOWARD REYNOLDS JOHN JOSEPH ROZMUS AND THOMAS JOSEPH ROZMUS – ALL U.S. CITIZENS.	

Application for Patent Number 1314/Del/93 filed on 23.11.1993

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi – 110 008.

(12 Claims)

A terminal block (10) apparatus for mounting a plurality of terminal clips comprising:

a dielectric (12) body having a central (18) section and fanning strip sections at opposed margins of said central section, said central section having a plurality of openings (14) in a matrix comprising a plurality of vertical columns (16) of openings and a plurality of lateral (28) rows of openings wherein two adjacent openings in a column define a pair of opening each of said openings comprising the entrance to a cavity, said cavity being defined by a pair of ribs (32), said openings being spaced in staggered pair groupings such that with respect to first, second, third, fourth and fifth openings consecutively adjacent to each other in a column, the pair of first and second openings have a closer vertical spacing relative to the second and third openings and the pair of third and fourth openings have a closer vertical spacing relative to the fourth and fifth openings whereby separation is reduced between tip and ring conductors of a pair of wires and separation is increased between respective pairs of wire terminated in said terminal clips received in said openings, each of said terminal clips comprising a flat (18) body having a base; a pair of opposed resilient arms extending upwardly from said base, each of said arms having a lower section and an upper section, each of said lower sections having an inner side surface (38a) and an outer (36a) side surface, said inner side surfaces of said lower sections being in facing relations to each other, said upper sections of said opposed arms comprising a wire retention section and a conductor receiving slot; an aperture between said lower sections of said opposed arms, said aperture extending vertically between said base and said conductor receiving slot

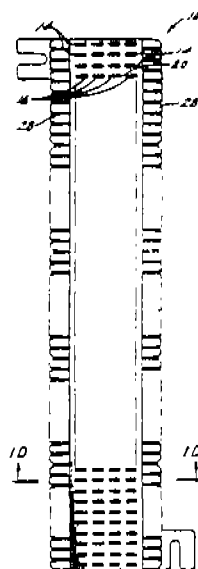


FIG. 1A

(Complete Specification 27 Pages Drawing: 10 Sheets)

Indian Classification	:	206 E	188257
4			
International Classification	:	H 04L 19/00	
Title	:	"AN IMPROVED TOUCH SCREEN INPUT DEVICE"	
Applicant	:	INTERNATIONAL BUSINESS MACHINES CORPORATION, a company organized and existing under the laws of the States of New York, U.S.A. of Armonk, New York 10504, U.S.A.	
Inventors	:	IFAY F. CHANG –U.S.A. CHENGJUN JULIAN CHEN –U.S.A.	

Application for Patent Number 1319/Del/93 filed on 23.11.1993

Appropriate office for opposition proceedings (Rule 4. Patents Rules, 1972) Patent Office Branch, New Delhi – 110 008.

(12 Claims)

An improved touch screen input device for use in determining the position of a pointer (110) on a computer interface (202) screen, comprising:

a computer interface (202, 203) screen having a screen surface (203) and one pair of borders being (217, 219) a first border (217) along a first screen side and an opposite second border (219) across the screen surface from the first border along a second screen side;

a raster scanner that scans the screen surface (203) at a raster frequency, the scanner in each raster frequency cycle crossing the screen in a first direction in one of a plurality of rows that intersect the first and second border and the scanner indexing across the screen in second direction approximately perpendicular to the first direction at a second scanning frequency;

means for producing (204) a pattern formed on plurality of lighted edge points (210), the edge points being at inter-sections of the rows and screen borders (217, 219), the pattern being produced as the scanner selectively lights a first set of edge points and selectively does not light a second set of edge points as the scanner passes over the edge points, the pattern flashing at a pattern frequency determined by the selective lighting of the edge points;

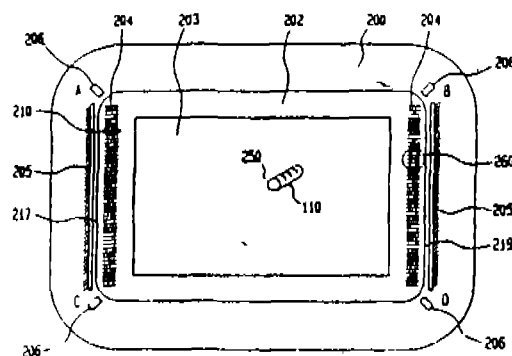
a first and second (205) light reflective surfaces of reflector adjacent the first and second sides, respectively, the first reflective surface reflecting the pattern of lighted edge points from a first border across the screen to the second side and the second side reflective surface reflecting the pattern of lighted edge points from the second border across the screen to the first side;

four or more (206) light detectors, the light detectors located adjacent to the borders of the screen to detect the lighted edge points of the pattern reflected by the light reflective surfaces;

a circuit means (110) for determining two or more distances along the sides that locates two or more of the lighted edge points that is blocked by the pointer from reaching two or more light detectors; and

a means for (p) determining the position of the pointer on the screen by using the distances of the blocked lighted edge points.

FIG. 2A



(Complete Specification 19 Pages Drawing: 12 Sheets)

Indian Classification	:	206 E, F, G	188258
4			
International Classification	:	HO3 B /100, HO3 J 1/00	
Title	:	"AN APPARATUS FOR IDENTIFICATION OF ENCODED GOODS."	
Applicant	:	BTG INTERNATIONAL LIMITED, a British company, of 10 Fleet Place, Limeburner Lane, London EC4M 7SB United Kingdom.	
Inventors	:	Michael John Camille Marsh- South Africa Andrzej Lenarcik – South Africa, Clinton Aiden Van Zyl – South Africa, Andries Christoffel Van Schalkwyk – South Africa & Marthinus Jacobus Rudolph Oosthuizen – South Africa.	

Application for Patent Number 1312/DEL/93 filed on 22-11-93.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972)
Patent Office Branch, New Delhi – 110 005.

(15 Claims)

An apparatus for identification of encoded goods comprising an interrogator and a plurality of transponders, the interrogator comprising a transmitter means for transmitting an interrogation signal to the transponders, receiver means for receiving response signals from the transponders, and processor means connected to the receiver means for identifying the transponders from the data in the response signals; each transponder comprising receiving means for receiving the transmitted interrogation signal, a code generator, and transmitting means connected to the code generator, the transponder transmitting a response signal containing data which identifies the transponder; the interrogator being provided with means to disable any transponder, said transmitter means of the interrogator is provided with means to transmit at least two intermittent interrogation signals, with an interval between successive interrogation signals which is less than the minimum period within which transponders which have been disabled reset themselves automatically.

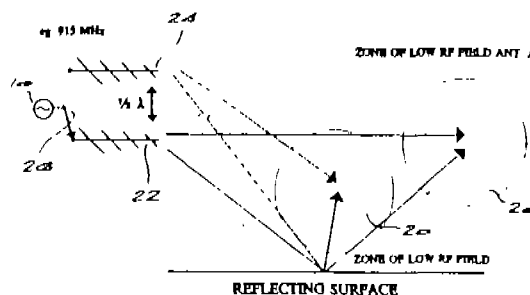


Figure 2.

Indian Classification	:	32 E,	188259
4			
International Classification	:	C 08 L	
Title	:	"MULTIFUNCTIONAL VISCOSITY INDEX IMPROVER COMPOSITION."	
Applicant	:	EXXONMOBIL CHEMICAL PATENTS, INC., a corporation of Delaware, United States of America, carrying on business as a company of the holding of patents and granting licenses thereunder, and technical development and research work at 1900 East Linden avenue, Linden, New Jersey 07036, United States of America.	
Inventors	:	DAVID YEN- ^{LUNG} CHUNG - U.S.A. PAUL BRICE - ENGLAND STEVEN JAMES SEARIS - ENGLAND MARK JOSEPH STRUGLINSKI - U.S.A. & JOHN BROOKE GARDINER - U.S.A.	

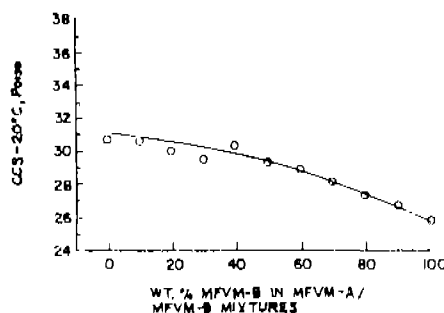
Application for Patent Number 1327/DEL/93 filed on 25-11-93.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972)
Patent Office Branch, New Delhi - 110 005.

(22 Claims)

Multifunctional viscosity index improver composition comprising:-
essentially of derivatized low ethylene content ethylene-alpha olefin copolymer and derivatized high ethylene content ethylene-alpha olefin copolymer, optionally comprising one or more of oil, molecular weight growth regulator and ashless dispersant, Wherein said composition is optionally treated with capping agent or optionally dissolved in oil containing a lube oil flow improver,
Wherein said derivatized low ethylene content ethylene-alpha olefin copolymer comprises from 30 to 60 weight percent monomer units derived from ethylene and from 70 to 40 weight percent monomer units derived from alpha-olefin, functionalized with substituted carboxylic acid material, and optionally at least one nucleophilic amine; and said derivatized high ethylene content ethylene-alpha olefin copolymer comprises from 60 to 80 weight percent monomer units derived from ethylene and from 40 to 20 weight percent monomer units derived from alpha olefin, optionally functionalized with substituted carboxylic acid material and optionally at least one nucleophilic amine,
Wherein said derivatized low ethylene content ethylene-alpha olefin copolymer and said derivatized high ethylene content ethylene-alpha olefin copolymer are taken in blend weight ration from 2.3:1 to 0.18:1.

FIG. 1



Indian Classification	:	85 J	188260
International Classification	:	B 23 P 15/52	
Title	:	"A MACHINE FOR OPENING A TAPHOLE IN A SHAFT FURNACE AND FOR PLUGGING SAID TAPHOLE."	
Applicant	:	PAUL WURTH S.A., a company organized under the laws of Grand Duchy of Luxembourg, of 32 rue d'Alsace, L-1122 Luxembourg, Grand Duchy of Luxembourg,	
Inventors	:	PIETRO MARINO - BRAZIL JOSE GERALDO COSTA ARAUJO - BRAZIL LUIZ EVANGELISTA FILHO - BRAZIL JEAN MONAI - BRAZIL	

Application for Patent Number 1353/Del/93 filed on 01.12.199

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi – 110 008.

(09 Claims)

A machine for opening a taphole in a shaft furnace (12) and for plugging said taphole by injecting a plugging mass, said machine comprising :

A support mount (20) for a piercing rod (100) or a drill bit;

A mount suspension structure capable of carrying said support mount (20) in a parked position away from the taphole and an operating position in which the mount (20) is located in the extension of the axis of the taphole;

A plugging device (52) consisting of a plugging chamber (54) for the plugging mass, a plugging snout (56) mounted at the front of the plugging chamber and a plugging mass expelling piston fitted in the plugging chamber;

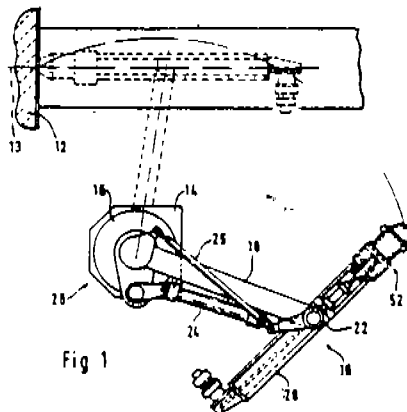
A plugging device support (50) on said mount (20) capable of supporting said plugging device (52) in a plugging position on said mount (20);

A linear drive device (30,32) mounted on said mount (20); and

A coupling device (36) displaceable parallel to the longitudinal axis of the mount by said linear drive device (30,32);

Wherein said coupling device (36) is connected to a piercing rod (100) or a drill bit supported on said mount (20) for opening said taphole; and

Wherein said coupling device (36) is also connected to said plugging mass expelling piston of said plugging device (52) supported in its plugging position for closing said taphole.



Indian Classification	: 195 D	188261
International Classification	: F 16 L 55/07	
Title	: "PRESSURE LIMITING VALVE."	
Applicant	: RICHARD VOSS GRUBENAUSBAU GMBH., a German company, of Gustav-Heinemann-Strasse 41, D-58239 Schwerte, Germany,	
Inventors	: RICHARD VOSS - GERMANY WOLFGANG VOSS - GERMANY	

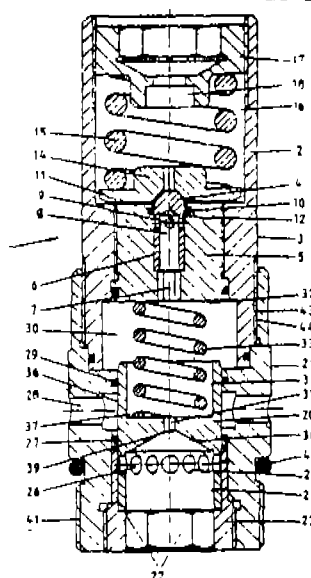
Application for Patent Number 1373/Del/93 filed on 06.12.1993.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi - 110 008.

(10 Claims)

Pressure limiting valve for protecting hydraulic units such as hydraulic face support of underground operations against rock bursts or other overloads, comprising a control piston (4) located inside an internal bore of a valve casing (2) for moving against the force of a valve spring, said control piston (4) connected to block an adjustment screw bore (18) associated with a spring chamber (16) and operably connected to a valve piston (20) with a blind bore (8) and radial bores (9), said valve piston being guided in an expanded large bore (22) said valve piston connected to a compensation chamber (30) and is sealed by means of sealing rings (27,29), cross-bores (28) positioned between said sealing rings to serve as discharge bores with the large bore by driving over said sealing rings on being subjected to pressure, characterized in that said control piston (4) and valve piston (20) are separate units, said valve piston being connected to an adjustment spring (33) supported on the control piston side (32) and has a through-bore (31) with a smaller diameter than said blind bore (8) of said control piston (4), and wherein at least said sealing rings (27,29) associated with the valve piston are preloaded hard rectangular plastic rings.

Fig.1



(COMPLETE SPECIFICATION 17 PAGES DRAWING SHEET 02)

Indian Classification	:	189	188263
International Classification ⁴	:	A61F 13/18	
Title	:	"A DISPOSABLE ABSORBENT ARTICLE."	
Applicant	:	THE PROCTER & GAMBLE COMPANY, a corporation organized and existing under the laws of the State of Ohio, United States of America, of one Procter & Gamble Plaza, Cincinnati, Ohio 45202, United States of America.	
Inventors	:	MARY ELAINE FREELAND – U S A	

Application for Patent Number 1412/Del/93 filed on 15th Dec. 1993.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972)
Patent Office Branch, New Delhi – 110 005.

(9 Claims)

A disposable absorbent article comprising a liquid impervious backsheet (24), a liquid pervious topsheet (22) joined to the backsheet (24), an absorbent (26) core intermediate the backsheet (24) and the topsheet (22), and a spacer (54) joined to the topsheet (22), the backsheet (24) or the absorbent (26) core for maintaining a Z-direction fecal void space under compressive loading, wherein the said spacer comprising a flexible (82) outer cover and a plurality of discrete (88) elements enclosed in the outer cover, each discrete element relatively movable with respect to other discrete elements within the outer cover (82) and said spacer optionally comprises a plurality of separate compartments.

(Complete Specification 23 Pages; Drawing 4 Sheets)

Indian Classification	:	189	188264
International Classification ⁴	:	A61F 13/18	
Title	:	"A DISPOSABLE SANITARY ABSORBENT ARTICLE"	
Applicant	:	THE PROCTER & GAMBLE COMPANY, a corporation organized and existing under the laws of the State of Ohio, United States of America, of one Procter & Gamble Plaza, Cincinnati, Ohio 45202, U.S.A.	
Inventors	:	CHARLES JOHN BERG - U.S.A BRUCE WILLIAM LAVASH - U.S.A	

Application for Patent Number 1413/Del/93 filed on 15th Dec. 1993.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972)
Patent Office Branch, New Delhi - 110 005.

(8 Claims)

A disposable sanitary (20) absorbent article of the kind as herein described having a garment side, a body-facing side, and at least one flap,(24) said absorbent article comprising a main body portion(22) having a longitudinal(L) centerline which divides said main body portion into a first longitudinal half and a second longitudinal half; a first flap(24) joined to the first longitudinal half of said main body portion at a juncture and a second flap(24)joined to the second longitudinal half of said main body portion(22) at a juncture,(30) each of said flaps comprising a proximal edge substantially adjacent the juncture, a distal edge disposed away from the juncture, and an adhesive patch(80) joined thereto, said absorbent article characterized in that said adhesive patch comprises a first half(56) and a second half,(57) said first half comprising adhesive zones(A) and release zones (R) and said second half comprising adhesive zones and release zones wherein the adhesive zones of said first half are removably secured to at least a portion of the release zones of said second half and the adhesive zones of said second half are removably secured to at least a portion of the release zones of said first half.

(Complete Specification 39 Pages Drawings 16 Sheets)

Indian Classification	:	14 C	188265
International Classification	:	H 02 H 07/18	
Title	:	"A BATTERY."	
Applicant	:	HONDA GIKEN KOGYO KABUSHIKI KAISHA, a corporation of Japan, of 1-1, Minamiaoyama 2-chome, Minato-ku, Tokyo 107, Japan and SANYO ELECTRIC CO. LTD., of 5-5, Keihanondori 2-chome, Moriguchi-Shi, Osaka 570, Japan,	
Inventors	:	KENJI TAMAKI - JAPAN HIROYUKI SUZUKI - JAPAN MASAYUKI TORIYAMA - JAPAN YOSHIHIRO NAKAZAWA - JAPAN MASAHARU NAKAMORI - JAPAN TSUKASA ITO - JAPAN FUMIKI TAKESUE - JAPAN AKIHIRO FURUSE - JAPAN KAZUHIRO KITAOKA - JAPAN	
Kind of Application	:	COMPLETE	
Application for Patent Number 1430/Del/93 filed on 20.12.1993.			

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi 110 005.

(19 Claims)

A battery comprising :

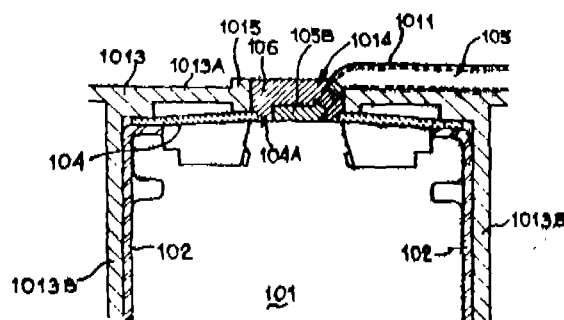
At least one battery cell, each having two ends and a sidewall extending there between, a battery terminal at one of said ends, a built in safety valve at said one of said ends, and a sidewall extending between said opposite ends, A heat-shrunk tubing covering said sidewall and an outer peripheral region of said one of the ends of the battery cell; A sealing plate disposed over the portion of the heat-shrunk tubing covering the outer peripheral region of said one of the ends of the battery cell, said sealing plate having a battery terminal hole there-through open to said battery terminal;

An adhesive layer attaching the sealing plate to the portion of the heat-shrunk tubing covering the outer peripheral region of said one of the ends of the battery cell, said adhesive layer establishing a moisture-tight seal, and said adhesive layer having a design strength which allows the sealing plate to separate from the heat-shrunk tubing when the pressure of gas exhausting through said safety valve reaches a set level;

A lead tab passing through the battery terminal hole of said sealing plate and electrically conductively connected to said battery terminal; and

An adhesive occupying the battery terminal hole in the space between said lead tab and said sealing plate and establishing a moisture-tight seal thereat.

FIG. 10



(COMPLETE SPECIFICATION 24 PAGES DRAWING SHEETS 11)

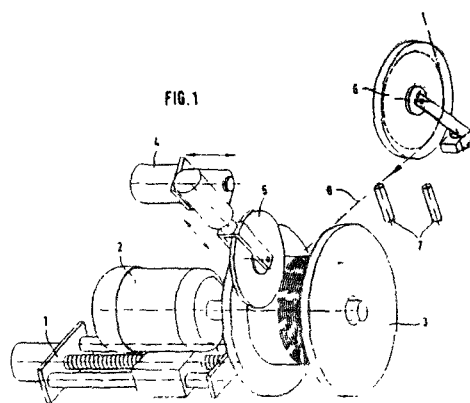
Indian Classification	:	127 I	188266
International Classification	:	H 02 K 03/00	
Title	:	"A METHOD FOR MANUFACTURING A DENSE AND EVEN COIL AND A DEVICE FOR CARRYING OUT THE METHOD."	
Applicant	:	MAG MASCHINEN UND APPARATEBAU AKTIENGESELLSCHAFT, an Austrian company of Puntigamer Str. 127, A-8055 Graz, Austria.	
Inventors	:	HERBERT BERTHOLD - AUSTRIA HANS-PETER PICHLER - AUSTRIA	

Application for Patent Number 1437/Del/93 filed on 21.12.1993.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi - 110 005.

(11 Claims)

1. A method for manufacturing a dense and even coil characterized by the following steps :
 - i) attachment of the round material adjacent to a flange of the drum;
 - ii) placement of the presser device laterally against the round material (8);
 - iii) rotation of the winding drum without axial displacement thereof and traversing of the presser device towards the oppositely arranged flange by an amount equal to the diameter of the round material per rotation of the winding drum;
 - iv) interruption of the axial traverse of the pressure device at a predetermined angle between the supplied round material and the axis of the winding drum and displacement of the winding drum towards the last produced winding turns by an amount exceeding the diameter of the round material per rotation of the winding drum;
 - v) repetition of the steps iii) and iv) until the clearance distance of the presser device from the other flange of the winding drum is equal to 1.5 times the diameter of the round material;
 - vi) axial displacement of the winding drum and of the pressure device towards the wound turn by an amount equal to the diameter of the round material;
 - vii) increasing the speed of displacement of the winding drum and of the presser device, when the winding has reached the flange of the drum, until the supplied round material is at a right angle to the axis of the winding drum;
 - viii) arresting the displacement of the winding drum and of the presser device during one rotation of the winding drum, in which the round material is wound between the flange of the winding drum and the presser device for one turn of the first layer and is wound into the channel between the last and the penultimate turns of the first layer; and
 - ix) repetition of the steps iii) through viii) with an opposite direction of displacement for winding the next layer.



(COMPLETE SPECIFICATION 10 PAGES DRAWING SHEETS 03)

Indian Classification : 170 B+D. 188267
International Classification⁴ : C11D 3/08, 3/10, 3/33, 3/37, 17/06.
Title : "A CLEANING COMPOSITION".
Applicant : THE PROCTER & GAMBLE COMPANY, a corporation organized and existing under the laws of the State of Ohio, United States of America of One Procter & Gamble Plaza, Cincinnati, State of Ohio 45202, United States of America.
Inventors : ROBIN GISON HALL-UK.
Kind of Application : COMPLETE/CONVENTION.

Application for Patent Number 1441/DEL/93 filed on 22.12.93.

Convention date 9226942.2; 24.12.1992; UK.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi – 110 008.

(09 Claims)

A cleaning composition containing poly (amino acid) compound or a precursor thereof protected from degradation avoiding contact with the level of alkalinity comprising:

I 0.1-50% of poly (amino acid) compound or a precursor thereof coated with 2 to 20% of a water soluble compound having melting point of atleast 30°C selected from organic acids and film forming materials or a spray granulated with a non-ionic surfactant or agglomerated with up to one mole of alkaline reacting compound.

II 1-70% of deterative surfactant.

III the balance being optional conventional components as herein described.

(Complete Specification 28 Pages Drawing _____ Sheets)

Indian Classification	:	27 C	188268
4			
International Classification	:	E 0 4 B 1/00	
Title	:	"AN IMPROVED PROCESS FOR THE PRODUCTION OF PRETENSIONED & PRESTRESSED CONCRETE STRUCTURAL ELEMENTS"	
Applicant	:	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-110001, India an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).	
Inventors	:	AVAŚARALA SURYA PRASAD RAO- INDIA, RETHINASAMY JAYARAMAN – INDIA, VENKATASAMY VIMALANANDAM – INDIA & SUNDRU SAI BABU – INDIA.	

Application for Patent Number 1461/DEL/93 filed on 28-12-93.

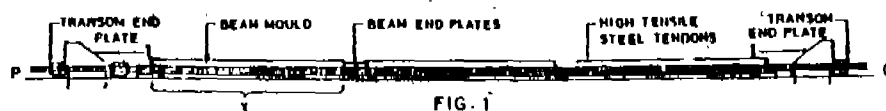
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972)
Patent Office Branch, New Delhi – 110 005.

(04 Claims)

An improved process for the production of pretensioned & prestressed concrete structural elements which comprises.

- (i) blanketing the structurally unwanted portion of the tendons by conventional method which are to be salvaged by using pipes or tubes.
- (ii) characterised in that, preparing windows at the junction of the said blanketed and unblanketed portion of the said tendons, or forming longitudinal side groove by using fixtures to form an access the unwanted portion of the tendons.
- (iii) pretensioning and anchoring of the said tendons by conventional methods,
- (iv) enclosing the above said pretensioned tendons within a mould.
- (v) pouring concrete in the said mould, compacting the said concrete, curing the

- (vi) gradually releasing the tension from the said tendons by conventional methods,
- (vii) cutting the said tendons at the ends of the element as well as the unwanted tendons at the windows or at the exposed ends if grove formation fixtures are used,
- (viii) removing the said structural concrete element formed from the said mould and
- (ix) further curing the element by conventional method to obtain pretensioned prestressed concrete structural element.



(Complete Specification Pages 15 Drawing Sheets - 5)

Indian Classification	:	40 F	188269
International Classification ⁴	:	C07B 63/00	
Title	:	AN IMPROVED PROCESS FOR THE ISOLATION OF FATTY ALCOHOL MIXTURES CONTAINING N-TRIACONTANOL.	
Applicant	:	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Kaji Marg, New Delhi – 110 001, INDIA, an Indian body incorporated under the Registration of Societies Act (XXI of 1860).	
Inventors	:	KADIMI UDAYA SANKAR - INDIAN BALARAMAN MANOHAR - INDIAN	

Application for Patent Number 1480/Del/93 filed on 29th Dec. 1993.
Complete left after provisional on 27.7.94.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972)
Patent Office Branch, New Delhi – 110 005.

(5 Claims)

An improved process for the isolation of fatty alcohol mixtures containing n-triacontanol which comprises :

- (i) deoiling or demineralising the plant waxes containing n-triacontanol by conventional methods,
- (ii) saponifying the deoiled or demineralised plant waxes by conventional methods and
- (iii) extracting the saponified plant waxes with supercritical fluid selected from carbon dioxide at a pressure in the range of 80 to 400 bar at a temperature in the range of 35-70⁰C, separating the fatty alcohol mixture containing n-triacontanol by conventional methods.

(Provisional specification 5 pages Drawings Nil Sheets)
(Complete Specification 10 Pages Drawings Nil Sheets)

Indian Classification	:	131 B2	188270
International Classification ⁴	:	E21C 31/00	
Title	:	"A CABLE BOLT USEFUL FOR DEPILLARING OF THICK COAL SEAMS "	
Applicant	:	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi – 110 001, INDIA, an Indian body incorporated under the Registration of Societies Act (XXI of 1860).	
Inventors	:	TRIBHUWAN NATH SINGH - INDIAN BIMLA KANT DUBEY - INDIAN BIRENDRA PRASAD VERMA - INDIAN	
	:		

Application for Patent Number 1481/Del/93 filed on 29th Dec. 1993.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972)
Patent Office Branch, New Delhi – 110 005.

(2 Claims)

A cable bolt useful for depillaring of thick coal seams, which comprises a wire rope (1) having a flexible vent pipe (2) attached to it, the said wire rope and vent pipe being movably fixed through a hole in a tapered plug (3), the plug (3) also being provided with another hole for fixing a pipe (4), the lower end of the said pipe (4) being detachably fixed through another pipe (5) to a cement grouting pump (6).

(Complete Specification 7 Pages Drawings 1 Sheets)

IND. CL.	:	40 B [IV(1)]	188271
INT. CL.	:	C 08 F-4/00	
TITLE	:	A SINGLE STEP CATALYTIC AROMATIZATION PROCESS FOR THE MANUFACTURE OF BENZENE, TOLUENE AND PARA-XYLENE.'	
APPLICANT	:	INDIAN PETROCHEMICALS CORPORATION LIMITED P.O. PETROCHEMICALS, DIST-VADODARA-391 346, GUJARAT, INDIA. A GOVT. COMPANY INCORPORATED UNDER THE COMPANIES ACT 1956.	
INVENTORS	:	1. YAJNAVALKYA SUBRAY BHAT 2. JAGANNATH DAS 3. ANAND BHIMRAO HALGERI	
APPLICATION NO.	:	56/BOM/96 WITH PROVISIONAL SPECIFICATION FILED ON 29/01/96 COMPLETE AFTER PROVISIONAL SPECIFICATION FILED ON 28/4/97	

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 1972), PATENT OFFICE BRANCH, MUMBAI-13.

09 CLAIMS

A single step catalytic aromatization process for the manufacture of benzene, toluene and para-xylene, the latter with a selectivity *yield of* 23 to 99%, which process comprises heating a mixture of C₄-C₆ hydrocarbons in the presence of pore size regulated, ZnO, GaO incorporated high silica composite zeolite such as herein described to form a mixture of benzene, toluene and xylenes, separating in any known manner the xylenes from the other reaction products and recovering para-xylene from the separated xylenes by any known means.

Provisional Specification : 08 pages, Provisional Drawings Nil Sheets.

Complete Specification : 11 pages, Complete Drawings Nil Sheets.

IND. CL. : 72 D 188272

INT. CL. : 06 C-5/06

TITLE AN ISOLATION MEMBER FOR NON-ELECTRIC DETONATOR CAP

APPLICANT THE HENRY BICKFORD COMPANY, 660 HOPMEADOW STREET, P.O. BOX 184, SIMSBURY, CONNECTICUT 06070-0483, UNITED STATES OF AMERICA

INVENTORS (1) GARY R. THURESON
(2) ERNEST L. GLADDEN
(3) ERIC R. DAVIS
(4) STEVEN R. PELLON
(5) ALVARO ZAPPALORTI

APPLICATION NO. : 414/BOM/1995 FILED ON 20. 09.1995

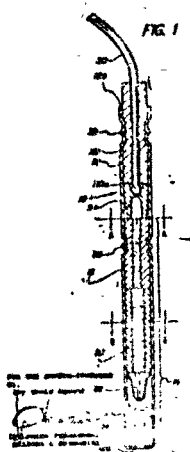
APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 1972), PATENT OFFICE BRANCH, MUMBAI 400 013.

15 CLAIMS

An isolation member for non-electric detonator cap for positioning the signal emitting end of a non-electric signal transmission line within the shell of a detonator cap comprises:

a substantially cylindrical body dimensioned and configured to be received within the shell of the detonator cap and having an exterior surface, an input end, and output end and an interior passageway extending through the body for transmission therethrough of an initiation signal from the input end to the output end of the body, the interior passageway defining a positioning seat at the input end of the body and a discharge port at the outlet end of the body; and

an alternate flow path connecting the input end of the body to initiation signal communication with the discharge port and comprised of one or more grooves extending from the input end of the body along the exterior surface thereof thence to the discharge port.



Comp.specn.24 pages, Drgs. 5 sheets.

IND. CL. : 189 [LXVI] 188273

INT. CL. : A 61 K - 7/00, 7/42, 7/48

TITLE : A COSMETIC PRODUCT TO PREVENT AND CORRECT SKIN DAMAGE

APPLICANT : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, MUMBAI 400 020, MAHARASHTRA, INDIA

INVENTORS : (1) ALAN JOSEPH SUARES
(2) SUSAN NETTESHEIM
(3) MICHAEL INDURSKY
(4) PETER BERTOLINI

APPLICATION NO : 273/BOM/1996 FILED ON 17.05.1996
Priority No. 08/451940 dated 26th May 1995 of U.S.A.

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 1972), PATENT OFFICE BRANCH, MUMBAI - 13.

12 CLAIMS

A cosmetic product to prevent and correct skin damage comprising:

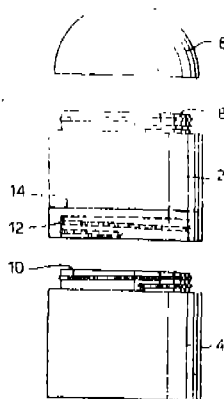
a first composition comprising a sunscreen present from 0.1 to 25% to prevent UV radiation from penetrating the composition to reach a user's skin;

a second composition comprising a C₂-C₃₀ α-hydroxycarboxylic acid or salt thereof is present from 0.01 to 15% to correct UV induced skin damage,

a first container for storing the first composition; and

a second container for storing the second composition, the first and second containers being releasably joined together.

Fig. 1.



Comp.specn. 32 pages. Drgs. 1 sheet

IND. CL.	:	189	188274
INT. CL.	:	A 61 K 7 / 48	
TITLE	:	A PACKAGE SYSTEM FOR HOLDING COSMETIC PRODUCTS.	
APPLICANT	:	HINDUSTAN LEVER LTD., HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, MUMBAI 400 020, MAHARASHTRA.	
INVENTOR	:	1. ALAN JOSEPH SUARES 2. SUSAN NETTESHEIM 3. MICHAEL INDURSKY 4. PETER BERTOLINI	
APPLICATION NO.	:	287 BOM 96	FILED ON : 27-05-96
PRIORITY NO.	:	US 08/451940 US 60/005188	DATED : 26-05-95 OF U.S.A DATED : 13-05-96 OF U.S.A

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 1972),
PATENT OFFICE BRANCH, MUMBAI-13.

04 CLAIMS

A package system for holding cosmetic products comprising:

a first container for storing a first composition; a second container for storing a second composition, and a domed cap the first and second containers being joined together; the first composition containing from about 0.1 to about 25% of the sunscreen within a first carrier; and

The second composition containing from about 0.01 to about 15% of alpha - or beta - hydroxycarboxylic acid or salt thereof within a second carrier, outside walls of the first and second containers being colour coded differently from one another with the walls of the first container being predominately white and the walls of the second container being predominantly other than white, and each of the first and second containers having their own pump mechanism for non - simultaneously dispensing each of the respective compositions.

Complete Specification: 27 Pages.; Drawings 2 Sheets.

IND. CL. : **128 F [XIX (2)]** 188275

INT. CL. : **A 61 M – 3/00,5/00**

TITLE : **A NEEDLE SYRINGE ASSEMBLY**

APPLICANT & INVENTORS : **SAKHARAM M. MAHURKAR, 6171 N. SHERIDAN ROAD, SUITE 1112, CHICAGO, IL 60660, U.S.A., AN AMERICAN NATIONAL.**

APPLICATION NO : **321/BOM/1996 FILED ON 20.06.1996**
Priority No.08/494,283 dated 23.06.1995 of U.S.A.

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 1972), PATENT OFFICE BRANCH, MUMBAI - 13.

46 CLAIMS

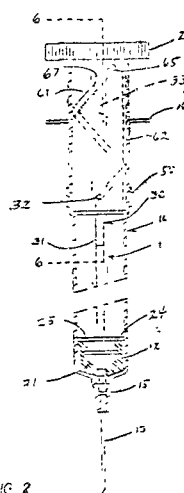
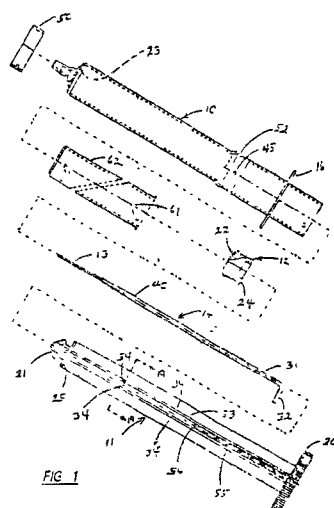
A needle-syringe assembly, comprising:

an elongated, generally cylindrical barrel (10, 110, 162, 210, 310) forming a hollow nozzle (15, 115, 215, 315) located at the distal end of said barrel and opening into the interior of said barrel;

a plunger (11, 111, 211, 311) slidably mounted in said barrel and forming a longitudinal cavity (33, 133, 233), and a needle holder (14, 114, 214, 314) for carrying a hollow needle (13, 113, 213, 313) on the distal end thereof, said needle holder being slidably mounted in said longitudinal cavity of said plunger, said needle holder including a lateral arm (32, 132, 232, 332) extending laterally through said plunger cavity to said barrel;

characterized in that

a guide surface (50, 119, 160, 171, 219, 319) is formed by said barrel and extending along a proximal end portion of said barrel for engaging the lateral arm of the needle holder and retracting the needle holder within the barrel in response to relative rotational movement between the barrel and the needle holder.



Comp.specn. 75 pages,

Drawings 31 sheets

IND. CL. : 12 D, 15C 188276

INT. CL. : B 21 D - 53/12

TITLE : PROCESS FOR MANUFACTURE OF A CAGE FOR CYLINDRICAL ROLL BODY

APPLICANT : INA WALZLAGER SCHAEFFLER KG OF D-91072 HERZOGENAURACH, GERMANY, GERMAN COMPANY

INVENTORS : (1) DR.SCHAEFFLER ING. E.H. GEORG
(2) DOPPLING HORST

APPLICATION NO : 330/BOM/1996 FILED ON 25,JUNE 1996

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 1972), PATENT OFFICE BRANCH , MUMBAI - 13.

05 CLAIMS

Process for the manufacture of a sheet metal cage for cylindrical roller bodies, consisting of two side rings (1,2) built as two radially placed flanges, which are bound together by means of a web (3),

having many sections (4,5,9) running parallel to the axis at different distances from the cage axis (6), and the side rings (1,2) have a wall thickness which lies above the wall thickness of the web (3), characterized by the fact that, a pot-shaped, rotation symmetric, deep-drawn part (13) is formed from a circular blank (10), consisting of a base/bottom (11) and a cylindrical wall (12)

finally the cylindrical wall (12) of the deep-drawn part 913) is stretched in a part area in such a manner that its wall thickness is reduced and the end adjacent to the base

1) shows a wall thickness which corresponds to the wall thickness of the base (11),

then the base (11) is punched so that the first side ring (2) is obtained,

after which the cylindrical wall (12) is flanged at the side adjacent to the base (11) so that the second side ring (1) is obtained,

before the final form of the cage is produced by means of a rolling process in the stretched part area of the cylindrical wall (12) and finally pockets for accepting the roller bodies are created through punching in the stretched part of the cylindrical wall (12).

IND. CL. : **63 I [LVII(1)]** 188277

INT. CL. : **G 01 M – 15/00**

TITLE : **A DEVICE FOR CONDUCTING BACK-TO-BACK TEST OF ROTATING A.C. ELECTRICAL MACHINE.**

APPLICANT : **ACHINTYA BASU, INDIAN NATIONAL AT FLAT NO.6, GREEN CITY,E-8 KRISHNA VIHAR, BHOPAL 462 039, MADHYA PRADESH,INDIA.**

INVENTOR : **ACHINTYA BASU**

APPLICATION NO : **376/BOM/1996 FILED ON 16.07.1996**

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 1972), PATENT OFFICE BRANCH , MUMBAI - 13.

03 CLAIMS

A device for conducting back-to-back test of rotating a.c. electrical machine comprising:

A polyphase rotating a.c. machine, either synchronous or asynchronous type, wherein the stator can also made to rotate independently in either direction along with the usual rotation of rotor; having a pair of integral shaft extension from the outer sides of the two end caps of above said stator, one of which is made hollow to allow the rotor shaft pass coaxially through it; a pair of pedestal bearings supporting the said pair of extended shafts to facilitate the rotation of the said stator on its own axis; the said rotor supported by the end caps using a pair of bearing in the conventional manner and one side of this rotor shaft extending and passing through the said hollow shaft of the stator; a set of three slip rings mounted on the said stator for maintaining electrical connections for power supply to its windings through brushes during its rotation; a variable speed drive motor capable of driving the said stator through a reduced speed gearing connected to one of the extended shafts on the end cap of said stator; a locking arrangement, such as mechanical braking, for the rotor of the said drive motor or for the said stator of the device or for both, such that the said stator is prevented from rotation whenever required; a mechanical rigid coupling between the said extended rotor shaft and the shaft of the machine under test.

Comp.specn.13 pages, Drgs. 01 sheet.

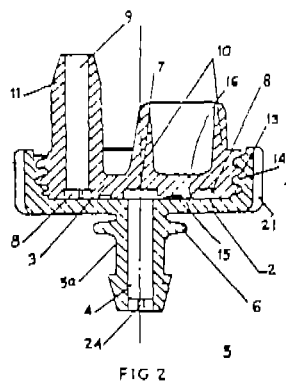
IND. CL. : 5 D 188278
INT. CL. : A 01 G 25/02
TITLE : AN IMPROVED DRIPPER.
APPLICANT : FINOLEX PLASTRO PLASSON LTD.,
 PLOT NO. 399, URSE, TEL. MAVAL,
 DIST-PUNE-410506, MAHARASHTRA
 STATE, INDIA. AN INDIAN COMPANY
 DULY REGISTERED AND
 INCORPORATED UNDER THE
 COMPANIES ACT, 1956.
INVESTOR(S) : MOSHE LUTZKY

APPLICATION NO : 377/BOM/1996 **FILED ON :** 18/07/96

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4,
 PATENTS RULES 1972), PATENT OFFICE BRANCH, MUMBAI – 13.

08 CLAIMS

- 1) A dripper unit comprising a base member of cup shaped, with coupling stem to the outer side of lower bottom through passage communicating inner side of said base, and having internal screw thread to its cylindrical portion; a cap member having matching external screw thread screwed to the said base members; said cap member provided with zigzag longitudinal flow path on its circular portion facing the said base with inlet at center in line with the said stem and outlet at distance from center in line with line outlet stem with outlet aperture there through on top side of the said cap; the said flow path, formed by set of straight side walls connecting two sets of contradirectional teeth by means of arcs in such a way that teeth of one set project in between the space available between teeth of second set.



Complete Specification : 07 Pages; Drawings 02 Sheets

IND. CL : 179 F
G 188279

INT. CL. : B 65 B 3/04

TITLE : A MULTIPLE OUTLET NOZZLE FOR USE WITH
CONVENTIONAL FILING MACHINES.

APPLICANTS : HINDUSTAN LEVER LIMITED,
A COMPANY INCORPORATED UNDER
THE INDIAN COMPANIES ACT, 1913 AND
HAVING ITS REGISTERED OFFICE AT
HINDUSTAN LEVER HOUSE,
165-166, BACKBAY RECLAMATION
MUMBAI : 400 020.
MAHARASHTRA, INDIA

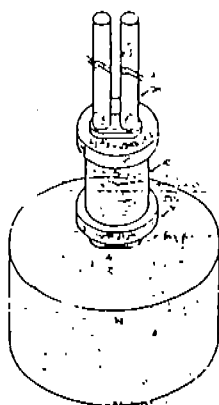
INVENTORS : 1) SHASHANK VAMAN DHALEWADIKAR
2) NAGESH KESHAV PAL
3) DHAVAL JITENDRA BUCH.

APPLICATION NO. 379/BOM/1996 FILED ON : 19/07/1996
COMPLETE AFTER PROVISIONAL SPECIFICATION LEFT ON : 22-07-1997

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS
RULES 1972), PATENT OFFICE BRANCH, MUMBAI-13.

18 CLAIMS.

- 1.) A multiple outlet nozzle for use with conventional filling machines comprising an adapter at one end thereof for releasable connection to the outlet port of a conventional filling machine, an intermediate chamber communicating at one end with said adapter and at its other end with a multiple outlet filling nozzle.



Provisional Specification : 13 Pages; Drawing 5 Sheets.
Complete Specification : 18 Pages; Drawing 7 Sheets.

IND. CL : 55 D 2 188280

INT. CL. : D 21 H, 5/22

TITLE : A METHOD OF MAKING A NOVEL SOLID INSECTICIDE REPELLING/KILLING COMPOSITION

APPLICANTS : GODREJ SARA LEE LTD.,
PIROJSHANAGAR,
EASTERN EXPRESS HIGHWAY,
VIKHROLI (E),
MUMBAI : 400 079,
MAHARASHTRA INDIA

INVENTORS : 1. DR. PUTHOCODE RAMA IYER
KASI VISWANATHAN
2. PAVANA MOHANAN NAIR

APPLICATION NO. : 1145/MUM/2000

FILED ON : 20/12/2000

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS
RULES 1972), PATENT OFFICE BRANCH, MUMBAI

14 CLAIMS

- 1) A method of making a novel insect repelling/ killing composition for use with liquid vaporizing heating device for diffusing the composition said method comprising the steps of :
mixing active ingredient which range between 0.1 – 50% w/w/, a carrier which solidifies at room temperature which ranges between 20-95% w./w, a stabilizer which ranges between 1-10%, a coloring agent which ranges between 1-5% and perfume which ranges between 1-20% w/w and stirring the same in a hot water bath at 70 to 90 degrees Celsius to obtain a liquid homogenous mass;
adding a perfume to the liquid mass in predetermined quantities and stirring the same to disperse the perfume uniformly throughout the liquid mass;
pouring measured quantities of the prepared liquid mass into a bottle having an open mouth;
providing a cylindrical wick having an outer surface of heat conductive material and an inner surface of a fibrous material capable of capillary action
inserting the wick into the liquid mass in the bottle;
plugging the mouth of the bottle with the wick inserted therein with a plug;

allowing the liquid mass to solidify by cooling to room temperature to obtain the insecticide composition for use with a liquid vaporizer.

Complete Specification : 18 Pages; Drawing Nil Sheet.

IND. CL. : 45 D + F 188281
INT. CL. : A 47 K 4/00
TITLE : FOLDING URINAL/ WASHBASIN
APPLICANT : SATE SH VINAYAK BHAGWAT,
12/1, LAXMINARAYAN NAGAR,
NEAR MEHENDALE GARAGE,
ERANDAWANA,
PUNE : 411 004
MAHARASHTRA, INDIA.

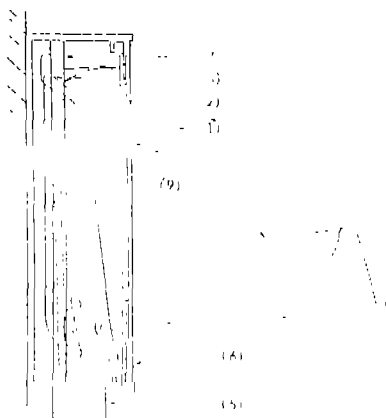
INVESTOR(S) : IDEM

APPLICATION NO : 384/BOM/1996 FILED ON : 23-07-1996
COMPLETE AFTER PROVISIONAL LEFT ON 21-07-1997

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4,
PATENTS RULES 1972), PATENT OFFICE BRANCH, MUMBAI – 13.

3 CLAIMS

- 1) The folding urinal or washbesin comprising of stationary body called main body & an openable vessel of appropriate size & shape, connected to each other mainly by hinged or pivoted joint, wherein the stationary body, fixed to the wall or structure, having the provision for connecting water hose to the internal water line with a cock & a spout or an internal water passage in the openable vessel and having a provision for drainage hose; and the said openable vessel is opened or closed by means of a lever or handle & linkage mechanism housed in the main body.



Provisional Specification : 02 Pages; Drawings Nil Sheets
Complete Specification : 05 Pages; Drawings 04 Sheets

IND. CL. : **129 G [XXXV** **188282**
INT. CL. : **H 05 H -1/34, B 23 K -17/00**
TITLE : **A PROCESS FOR THE MODIFICATION OF A NOZZLE OF A DIESEL ENGINE AND AN APPARATUS THEREFOR**
APPLICANT : **INSTITUTE FOR PLASMA RESEARCH, AN INDIAN INSTITUTE OF BHAT, GANDHINAGAR 382 424, GJUARAT, INDIA.**
INVENTORS : **(1) SUBROTO MUKHERJEE**
(2) PUCADYIL ITTOOP JOHN
APPLICATION NO : **408/BOM/1996 FILED ON 09.08.1996**
COMPLETE SPECIFICATION FILED AFTER PROVISIONAL SPECIFICATION ON 27.10.1997

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 1972), PATENT OFFICE BRANCH , MUMBAI - 13.

09 CLAIMS

A process for the modification of a nozzle of a diesel engine by using plasma based ion milling comprising of the steps of :

- i) introducing the nozzle 1 in the nozzle holder 6 secured with a cathode 4 into a vacuum chamber 11;
- ii) positioning an anode 7 having a tungsten wire 9 adapted to be introduced into said nozzle 1 in said chamber 11 in opposite direction to said cathode 4;
- iii) covering all the portions apart from the tip 9 of the anode 7 with a sleeve;
- iv) contacting said tip 9 of the anode 7 with the inner portion of the nozzle 1;
- v) evacuating said chamber 11 and then introducing argon gas 5 into said chamber 11 for producing plasma by its ionization and then,
- vi) applying a pulsed negative voltage from high voltage DC power supply 13 on the cathode 4.

Prov.Specn. 6 pages, Drgs.Nil
Comp.specn. 13 pages, Drgs.3 sheets

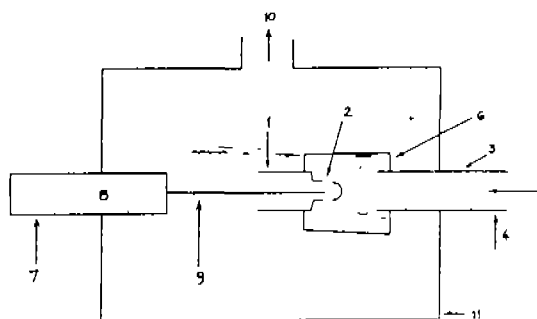


Fig 2

IND. CL. : 151 E[XLV III (2)] 188283

INT. CL. : E 03 F, 3/00

TITLE : A DEVICE FOR PRODUCING ARTIFICIAL RAIN.

APPLICANT : MOHANLAL PURSHOTTAMDAS TANK,
482, OLD AERCDROME ROAD,
BHAVNAGAR : 364 001,
GUJARAT,
INDIA.

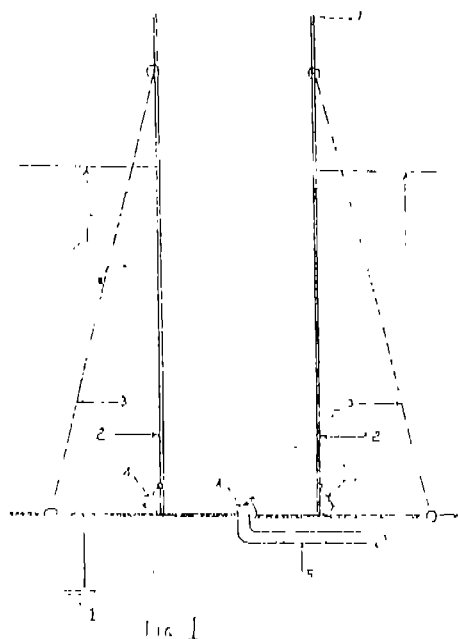
INVESTOR(S) : IDEM

APPLICATION NO : 426/BOM/1996 **FILED ON** : 19-08-1996
COMPLETE SPECIFICATION FILED AFTER PROVISIONAL
SPECIFICATION ON : 19-11-1997

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4,
PATENTS RULES 1972), PATENT OFFICE BRANCH, MUMBAI – 13.

04 CLAIMS

1) A device for producing artificial rains by converting water vapour into clouds



comprising of erecting a hollow cylinder on the earth at ground level having a suitable diameter securely fixed on the ground with the help of guys and the pipe being tall enough to reach beyond the top of the troposphere and open at the top, the said hollow cylinder is provided at its base as well as on its wall, ports or opening capable of being opened or shut under manual control; an air-blowing centrifugal fan connected to the pipe for injecting air (and optionally silver iodide fumes) to fill the said hollow cylinder with ground air having relatively more moisture and thus creating a low pressure zone inside the said cylinder compared to outside atmosphere; by opening the ports the air laden with moisture will rise in the said zone thereby converting water vapour into water by cooling effect of adiabatic temperature lapse thus creating and sustaining the depression inside the pipe as herein defined.

Provisional Specification : 07 Pages
Complete Specification : 11 Pages;

Drawing Nil Sheets
Drawings 03 Sheets

IND. CL.	:	34 A [X]	188284
INT. CL.	:	C 08 B, 9/02	
TITLE	:	A PROCESS FOR PREPARING FLAT VISCOSE RAYON FIBRE.	
APPLICANT	:	BIRLA RESEARCH INSTITUTE FOR APPLIED SCIENCES BIRLAGRAM, NAGDA (M.P.) INDIA.	
INVENTOR	:	IDEM	
APPLICATION NO.	:	458/BOM/96	FILED ON: 09-09-96

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 1972),
PATENT OFFICE BRANCH, MUMBAI-13.

06 CLAIMS

A process for the production of Rayon fibres of flat cross-section by using normal spinnerettes of circular cross-section orifices which comprises,

a) preparing a viscose solution having no modifiers and containing:-

i) 7 to 12% cellulose,

ii) 0-50 to 0-65 alkali to cellulose ration;

iii) 3 to 6 viscosity maturity index and

iv) 20 to 70 B.F sect viscosity at 20o C,

b) spinning the same into a conventional coagulation bath at 40 to 55oC.,

c) air stretching the filaments to 40 to 60% followed by,

d) finishing into fibres in the usual manner.

Complete Specification: 15 Pages,; Drawings 02 Sheets.

IND. CL. : 130 F 188285

INT. CL. : C 22 B 9/00
17/00

TITLE : A PROCESS TO RECOVER METALS FROM
CADMIUM TELLURIDE PHOTOVOLTAIC
MODULES

APPLICANT : 1) AGHARKAR RESEARCH INSTITUTE
G.G. AGARKAR ROAD,
PUNE-411 004,
MAHARASHTRA, INDIA
2) ECO SOLAR SYSTEMS
(INDIA) PVT. LTD
117/A/2, PUNE-SINHGAD
ROAD, PARVATI
PUNE-411 030,
MAHARASHTRA, INDIA

INVENTOR : 1) DR. KISHORE MADHUKAR PAKNIKAR
2) MRS. JYUTIKA MILIND RAJWADE.
3) SHRI ANIRUDDHA VASANT PETHKAR.
4) DR. NITANT MATE.
5) DR. DEVENDRA GOYAL.
6) DR. PRADEEP BILURKAR.

APPLICATION NO. : 460/BOM/1996 **FILED ON :** 10-09-1996

**COMPLETE SPECIFICATION FILED AFTER PROVISIONAL SPECIFICATION
ON 31-07-1997**

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 1972),
PATENT OFFICE BRANCH, MUMBAI-13.

1 CLAIMS

A process to recover metals from cadmium telluride photovoltaic modules comprising obtaining scrapings from the CdS / CdTe photovoltaics, the said scrapings are dissolved in acid such as nitric acid wherein the silver, cadmium, tellurium and the like will be dissolved, the said solution is diluted with water, the diluted metal solution is further subjected to silver adsorption in a column holding biosorbent granules made from dead biomass wherein silver gets preferentially adsorbed by the granules of the said biomass; after reaching the stage of saturation, the contents of this column are taken away and washed with the help of suitable solvent like sodium hydroxide, dilute alkali, thiosulphate capable of desorbing silver and the silver is recovered in any known manner like precipitation with zinc dust or electrowinning; the onward passing solution now containing cadmium, tellurium again be subjected to biosorption in another column containing granules of dead biomass wherein cadmium gets preferentially adsorbed and after reaching the stage of saturation, it is removed and is subjected to any suitable desorbing agent such as HCl or nitric acid and the cadmium in solution is recovered in the known manner such as passing H₂S gas by which cadmium is recovered as cadmium sulphate; the outcoming solution from the said second column now contains tellurium in solution, in case of tellurium in dissolved form, the solution is fed to a bioreactor having suitable nutrients such as sucrose, glucose, ammonium sulphate in the form of molasses with stirring action; the said bioreactor reduces the tellurium into metallic form and which is suitably recovered by filtration.

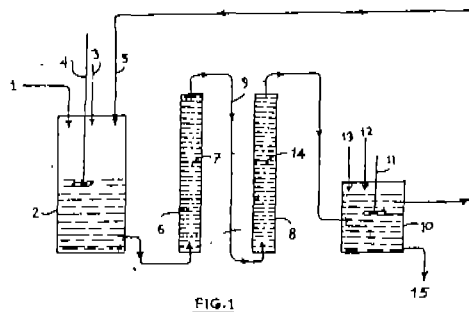


FIG. 1

Provisional Specification : 3 Pages; Drawing Nil Sheet.
Complete Specification: 8 Pages,; Drawings 1 Sheets.

IND. CL. : 98E 188286

INT. CL. : H 01 L 31/00
31/04
31/042

TITLE. : SELF-ENCAPSULATED MINI-MODULES OR CELLS.

APPLICANT : ECO SOLAR SYSTEMS(INDIA) PVT. LTD.,
117/2/A, PUNE-SINHGAD ROAD,
PARVATI,
PUNE : 411 030,
MAHARASHTRA STATE, INDIA

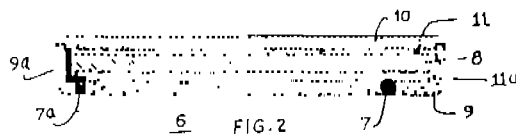
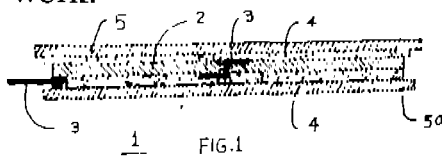
INVENTOR : 1) DR. NITANT MATE
2) CAPT. YOGESH BHIDE (RETD.)
3) PRASAD MATE
4) SATISH GOKHALE

APPLICATION NO. : 471/BOM/1996 **FILED ON :** 24-09-1996

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 1972), PATENT OFFICE BRANCH, MUMBAI-13.

2 CLAIMS

- 3). Self-encapsulated mini-modules or cells, integrated to form large modules or panels comprising a smaller size of solar cell of 100 X 100 mm or even smaller or larger, such individual mini-module shall consist of thin film solar cells that are deposited on glass and are individually encapsulated from the other side by a suitable medium such as herein defined thus forming self-encapsulated solar cell or mini-module, further these self-encapsulated mini-modules are put together mechanically to form large module or panel, physical strength of the module or panel coming from mechanical structure or skeleton of the frame work.



Complete Specification: 5 Pages,; Drawings 1 Sheets.

IND. CL. : 69 I-[LIX(1)] 188287

INT. CL. : H 01 H, 13/09

TITLE : AN IMPROVED BODY FOR ELECTRIC/
ELECTRONIC SWITCHES, SOCKETS AND
REGULATORS.

APPLICANT : DEVENDRA KUMAR JAIN
M/S. D. K. ELECTRICALS,
101, MANISH INDUSTRIAL ESTATE NO. 1,
VASAI ROAD (E),
THANE -401 210.
MAHARASHTRA, INDIA.

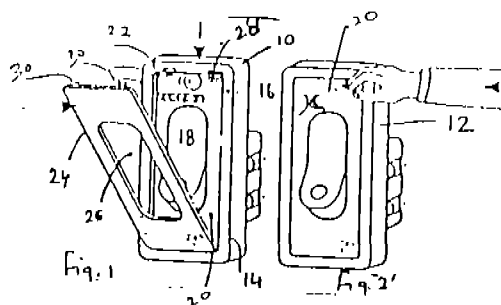
INVENTOR : IDEM

APPLICATION NO. : 472/BOM/1996 **FILED ON** : 24-09-1996

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 1972), PATENT
OFFICE BRANCH, MUMBAI-13.

05 CLAIMS

- 2) An improved body for electric and/or electronic switch, sockets and regulators comprising a box-like structure having on its front surface an open end, and a flange surrounding the said open end; an operational member, such as ON-OFF button in case of switch, mounted in the said box like structure through slot provided into the said open end for making and braking electric contact; a depression provided at the front surface of the said box like structure and a projecting rib surrounding the said depression, a flap member adapted to remain fitted within the said rib, when pressed therein; the said flap member having a slot through which the said operational member, such as ON-OFF button, in case of switch, projects to provide access for operating and the said flap being moulded from electrically insulated mouldable material of different colours.



Complete Specification: 8 Pages,; Drawings 1 Sheets.

IND. CL. : **128 I, G** 188288
INT. CL. : **A 61 M - 15/00**
TITLE : **AN IMPROVED DEVICE FOR ADMINISTERING ORALLY OR NASALLY THE POWDERED OR VOLATILE COMPOSITION BY INHALATION**
APPLICANT : **CIPLA LIMITED, MUMBAI CENTRAL, MUMBAI - 400 008, MAHARASHTRA, INDIA**
INVENTOR : **XERXES RAO**
APPLICATION NO : **485/BOM/1996 FILED ON 01.10.1996**
Complete specification filed after provisional specification on:
29.04.1997

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 1972), PATENT OFFICE BRANCH, MUMBAI - 13.

02 CLAIMS

An improved device for administering orally or nasally the powdered or volatile composition held in capsule, by inhalation comprising a body formed by a top member and a bottom member; the said top member at one end defining a nozzle/mouthpiece and a capsule retaining cavity, and at other end an open material dispersal chamber; a perforation on the wall dividing the said nozzle/mouthpiece and the material dispersal chamber; air inlet openings around the said capsule retaining cavity extending into the said material dispersal chamber; the said bottom member defining a wall to enclose the said material dispersal chamber and a sleeve adapted to be fitted rotatably being inserted into the said open end of the material dispersal chamber of the top member; a vertically extending inwardly directed projection on the inner surface of the said sleeve of the bottom member, such that rotation of the bottom member engage the said vertically extending inwardly directed projection with the said capsule end extending into the material dispersal chamber to separate the projecting portion of the capsule from the portion retained in the capsule-retaining cavity; the said capsule being any container made of two halves containing powdered or volatile medication.

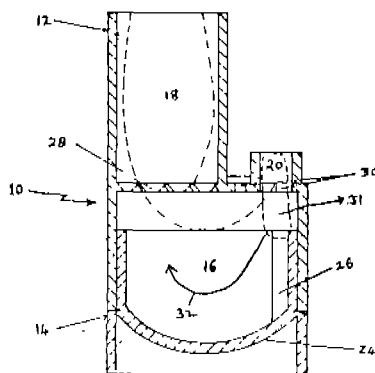


FIG 1

Prov.Specn. 8 pages, Drgs.Nil
 Comp.Specn. 10 pages, Drgs. 3 sheets

IND. CL : 12 A + C 188289

INT. CL : , C 21 D 9/52
E 03 C 1/00

TITLE : "AN IMPROVED WATER-SEALING-&-QUENCHING
TANK FOR PRE-ANNEALER USED IN ENAMELLED
COPPER WIRE MAKING PLANT."

APPLICANTS : MR. ARUN HARI KULKARNI,
HARIKRUPA BUILDING,
3 RD FLOOR,
326, RASTA PETH,
PUNE : 411 011,
MAHARASHTRA, INDIA.

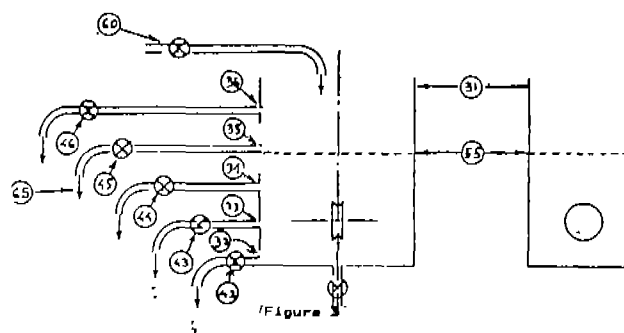
INVENTORS : —IDEM—

APPLICATION NO. 493/BOM/1996 FILED ON : 04-10-1996

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4,
PATENTS RULES 1972), PATENT OFFICE BRANCH, MUMBAI-13.

1 CLAIM.

- 1) An improved water sealing-and-quenching tank for pre-annealer used in enamelled copper wire making plant characterised in that the said tank is provided with an incoming water line with valve, and a plurality of outlets with valves, outlets arranged on vertical plane, for maintaining any desired level of water in the tank, and for controlling outflow of the water from the tank.



Complete Specification : 10 Pages ; Drawing 1 Sheet.

IND. CL. : 35 A [XXV(2)] 188290

INT. CL. : C 03 B, 37/00

TITLE : PROCESS AND APPARATUS FOR
PRODUCING MINERAL FIBRES.

APPLICANT : GERHARD BURGER
OF KLINGENBERGSTRASSE 42,
D-31139 HILDESHEIM, GERMANY, &
DR. VALENTINA GOROBINSKAYA
OF UL. WASSILENKO 25, 252124 KIEW,
UKRAINE.

INVENTOR(S) : 1. DR. DIRK THAMM
2. DR. IRINA KRAVTCHENKO
3. DR. VALENTINA GOROBINSKAYA
4. DR. DALIK SOJREF
5. ALEXANDER MEDWEDJEW

APPLICATION NO : 497/BOM/1996 FILED ON : 07.10.96
PRIORITY NO. 195 38 599-3 DATED 09.10.95 OF GERMANY

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 1972), PATENT OFFICE BRANCH, MUMBAI – 13.

22 CLAIMS

Process for producing mineral fibres from rock, vitreous industrial wastes or industrial glass wastes, in which after the mechanical separation of non-glass containing and predominantly glass-containing products having a particle size of less than 80 mm are melted in a melting bath, where the melting bath is connected to a feeder channel in such a manner that flow of the melt from the melting bath into the feeder channel is enabled between melting bath and feeder channel in the surface region of the melt, and where the melt is fed from the feeder channel to a feeder device, and where the melt is fed from the feeder device to a bushing device arranged there below and is taken off from there as filament with simultaneous solidification, characterized in that the melt is fed to the feeder device from a take-off region of the melt in which the melt complies with the following conditions;

- a) the temperature of the melt is in the range from 1050 to 1480° C,
- b) the processing range of the melt is 40 to 100 K,
- c) the melt viscosity at 1450° C is 30 to 160dPa.s,
- d) the melt viscosity at 1300° C is 200 to 1500 dPa.s,

- e) the quotient of the viscosity (in Pa.s) and the surface tension (in N/m) is between 10 and 100.
- f) the energy of activation of the viscous flow of the melt is no greater than 290 kJ/mol; and
- g) the ratio of the height (h_s) of the melt in the feeder channel to the height (h_w) of the melt in the melting bath is (h_s) : (h_w) = (0.8 to 1.1) : (2 to 6); and the melt fed to the bushing device is taken off as continuous filament with simultaneous solidification.

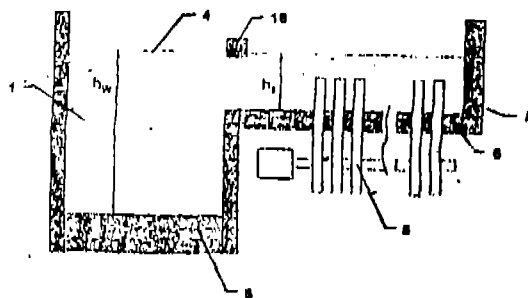


FIG.1

Complete Specification: 38 Pages;

Drawings 03 Sheets.

IND. CL : 14 [LVIII(1)] 188291
INT. CL. : H 01 M – 10/14
TITLE : A LEAD ACID BATTERY
APPLICANTS : TUDOR INDIA LIMITED,
147, JOLLY MAKER CHAMBERS 2,
14 TH FLOOR,
NARIMAN POINT,
MUMBAI : 400 021.
INDIA.

INVENTORS : ANIL KUMAR GEORGE

APPLICATION NO. 527/BOM/1996 FILED ON : 30-10-1996

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4,
PATENTS RULES 1972), PATENT OFFICE BRANCH, MUMBAI-13.

6 CLAIM.

- 1) A Lead acid battery comprising a container made of polypropylene having no mudrest, an anode made of Antimony lead alloy, cathodes made of lead and calcium alloy immersed in dilute sulphuric acid electrolyte placed in the said container, a U-shaped three sided glass wool separator having vertical erect sides joined to each other encapsulating the said anode from three sides, leaving the fourth side open, means for lowering and anchoring the battery element groups to the bottom plate of the said container.

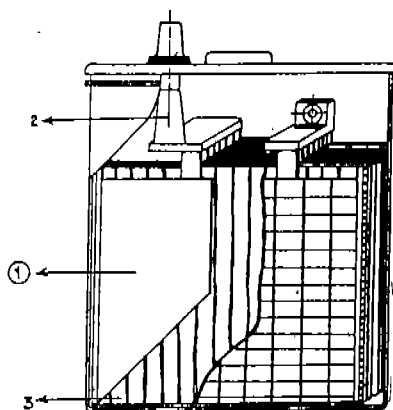


Fig. 1

Complete Specification : 8 Pages ; Drawing 1 Sheet.

IND. CL. : 152 B 188292
INT. CL. : C 08 L 71/00
TITLE : A PROCESS FOR PREPARATION OF AN ANOXIC MOLECULAR COMPOSITION.
APPLICANT : SANJAY PALSULE
168/38, SHIVAJI NAGAR,
BHOPAL - 462 016;
MADHYA PRADESH,
AN INDIAN NATIONAL.
INVENTOR(S) : IDEM

APPLICATION NO : 539/BOM/96 **FILED ON :** 06.11.96
COMPLETE SPECIFICATION FILED AFTER PROVISIONAL SPECIFICATION ON 04.02.98.

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 1972), PATENT OFFICE BRANCH, MUMBAI - 13.

03 CLAIMS

A process for the preparation of an anoxic molecular composition comprising :

- (iv) adding 70-85% by weight of polysiloxane-etherimide and 30 to 15% by weight of poly-m-phenylene amide-imide to an extruder;
- (v) extruding said mixture at a temperature of 165°C to 250°C and,
- (vi) collecting the extruded granulates of said molecular composition.

Provisional Specification: 06 Pages;
Complete Specification: 10 Pages;

Drawings NIL Sheets.
Drawings NIL Sheets.

IND. CL : 170 D 188293

INT. CL. : C 11 D, 1/00, 1/62, 1/29, 1/38, 1/65.

TITLE : A DETERGENT COMPOSITION FOR WASHING FABRICS.

APPLICANTS : HINDUSTAN LEVER LIMITED,
HINDUSTAN LEVER HOUSE,
165-166, BACKBAY RECLAMATION
MUMBAI : 400 020.
MAHARASHTRA, INDIA.

INVENTORS : 1. WILFRIED BLOKZIJL
2. ANDREW MARTIN CREETH
3. MOHAMAD SAMI FALOU
4. ANDREW DAVID GREEN
5. MICHAEL HULL
6. REGINALD VEAR SCOWEN

APPLICATION NO. 551/BOM/1996
PRIORITY DATA NO. 9524494.3

FILED ON : 19/11/1996
DATED : 30-11-1995

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS
RULES 1972), PATENT OFFICE BRANCH, MUMBAI-13.

13 CLAIMS.

- 1) "A detergent composition for washing fabrics, comprising
- (a) from 2 to 50 wt% of an organic surfactant system which comprises a sulphate or sulphonate type anionic surfactant, without nonionic surfactant or with nonionic surfactant in a ratio of at least 0.9:1;
 - (b) from 0 to 80 wt% of a builder component comprising one or more inorganic or organic detergency builders;
 - (c) from 0.1 to 10 wt% of a water-soluble or water-dispersible non-end-capped sulphonated polyester comprising monomer units of
 - i) an unsulphonated aromatic diacidic monomer (A),
 - ii) a sulphonated aromatic diacidic monomer (SA)
 - iii) optionally a hydroxylated aromatic or aliphatic diacidic monomer (HA), in an amount replacing up to 50 mole% of (A) and/or (SA),
 - iv) a polyol (P) selected from ethylene glycol, propylene glycol, isopropylene glycol, glycerol, 1,2,4-butanetriol and 1,2,3-butanetriol, and oligomers of these having from 1 to 8 monomer units,the polyester having a sulphur content within the range of from 0.5 to 10 wt%.
 - (d) optionally other detergent ingredients such as herein described to 100 wt%.

Complete Specification : 41 Pages; Drawing Nil Sheet.

IND. CL : 62 D 188294

INT. CL. : D 06 B, 5/20

TITLE : A PROCESS AND MACHINE FOR HANK YARN MERCERIZING.

APPLICANTS : JAGDISH NARAIN AGRAWAL,
INDIAN NATIONAL,
OF 53, BHAGWAN BHUVAN,
DADASAHEB FALKE ROAD,
DADAR,
MUMBAI : 400 014.
MAHARASHTRA, INDIA.

INVENTORS : JAGDISH NARAIN AGRAWAL.

APPLICATION NO. 567/BOM/1996 FILED ON : 22/11/1996
COMPLETE AFTER PROVISIONAL SPECIFICATION LEFT ON 20/02/98.

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 1972), PATENT OFFICE BRANCH, MUMBAI-13.

6 CLAIMS.

- 1) An apparatus for making mercerised hanks of yarns comprising
 - a set of stretching and driving rollers on which hanks to be mercerized are mounted;
 - a squeezing roller abutting the hanks mounted on the stretching rollers for squeezing the hanks;
 - a rinsing basin located operatively below the set of rollers; first spraying means located operatively above hanks;
 - supply means to supply cold water to the first spraying means;
 - supply means to supply hot water to the first spraying means; valve means to control the flow of hot and cold supply water to the first spraying means;
 - weir and pit means in the rinsing basin to permit accumulation of water in the rinsing basin;
 - collection means for collecting the overflow stream of water from the rinsing means;
 - second spraying means located operatively above the rollers on which the hanks are mounted;
 - pipe means for leading a second stream of water accumulated in the pit of the rinsing basin to the second spraying means for spraying the hanks with water recirculated from the rinsing basin; and
 - pumps means for drawing out liquid for the second stream.

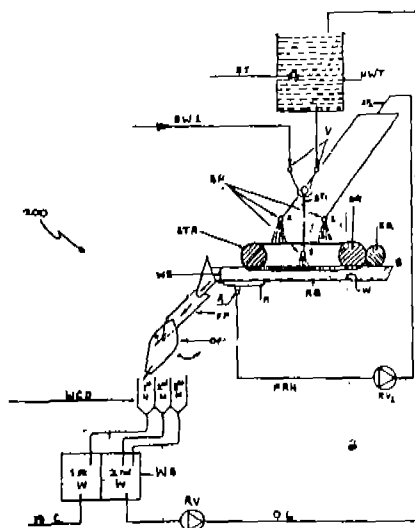


FIGURE 1

Provisional Specification : 8 Pages; Drawing 2 Sheets.
Complete Specification : 13 Pages; Drawing 3 Sheets.

IND. CL. : 170 A 188295

INT. CL. : C 11 D -11/00, 17/00

TITLE : PROCESS FOR COMPACTING DETERGENT POWDER.

APPLICANT : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE,
165/166 BACKBAY RECLAMATION, MUMBAI 400 020,
MAHARASHTRA, INDIA

INVENTORS : (1) MICHAEL JOHN ADAMS
(2) ROBERT WILLIAM ANDERSON
(3) BRIAN EDMONDSON
(4) SARA JANE EDWARDS
(5) SIMON ANDREW WATSON

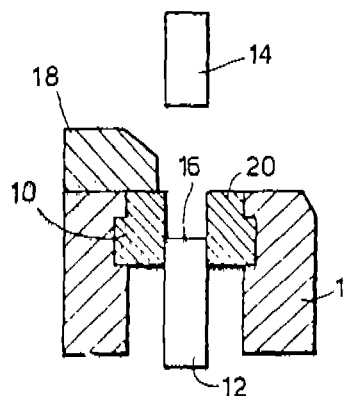
APPLICATION NO : 569/BOM/1996 FILED ON 22.11.1996
Priority No. 9524537.9 dated 30.11.1995 of GB-UNITED KINGDOM

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4,
PATENTS RULES 1972), PATENT OFFICE BRANCH, MUMBAI - 13.

15 CLAIMS

A process for the manufacture of detergent composition in the form of shaped articles of compacted detergent powder comprising compacting a particulate composition in a mould consisting of a plurality of mould parts which are movable relative to each other, at least one of the mould parts having an elastomeric coating on a surface area which contacts the composition characterized in that the elastomeric coating has, over a majority of its area, a thickness which is less than 0.5 mm.

Fig. 1.



Comp.specn. 33 Pages, Drgs. 2 sheets.

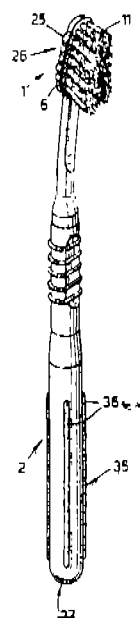
IND. CL. : **26** 188296
INT. CL. : **A 46 B - 3/00**
TITLE : **A TOOTHBRUSH HAVING HANDLE AND A BRISTLE BEARING HEAD.**
APPLICANT : **HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, MUMBAI 400 020, MAHARASHTRA, INDIA**
INVENTORS : (1) **PETER LEONARD DAWSON**
(2) **BERT DAVIS KEINZELMAN**
(3) **DONALD RICHARD LAMOND**
(4) **JOHN MOLDAUER**
(5) **STEPHEN JOHN RAVEN**
APPLICATION NO : **574/BOM/1996 FILED ON 27.11.1996**
PRIORITY NO.9524580.9 DATED 01.12.1995 OF GB-UNITED KINGDOM.

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 1972), PATENT OFFICE BRANCH, MUMBAI - 13.

16 CLAIMS

A toothbrush comprising a handle and a bristle bearing head, the head comprising a central skeleton with sides flanking the skeleton, a resilient side member mounted on each side of the central skeleton, a plurality of tuft mounting receptacles in the skeleton and in the side members, a plurality of bristles forming tufts received in the tuft mounting receptacles of the skeleton and in the side members, the side member bristle tufts being resiliently movable sideways and downwards in a toggling movement relative to the bristle tufts of the skeleton.

Fig.29.



IND. CL. : 170 A 188297

INT. CL. : C 11 D – 3/386

TITLE : ENZYMATIC DETERGENT COMPOSITIONS

APPLICANT : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER
HOUSE, 165/166 BACKBAY RECLAMATION, MUMBAI 400 020,
MAHARASHTRA, INDIA

INVENTORS : (1) ERIC CASTELEIJN
(2) WILLEM R VAN DIJK
(3) JAN KLUGKIST
(4) PIETER DIRK VAN WASSENAAR

APPLICATION NO : 575/BOM/1996 FILED ON 27.11.1996
Priority No. 95203261.3 dated 27.11.1995 of EP-EUROPE

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4,
PATENTS RULES 1972), PATENT OFFICE BRANCH, MUMBAI - 13.

03 CLAIMS

An enzymatic detergent composition comprising:

- (a) 0.1% to 60% by weight of one or more surfactants;
- (b) 0.06 to 600 CMCU per gram of said detergent composition of active endoglucanase E5 which is produced by *Thermomonospora fusca*; and
- (c) a proteolytic enzyme whereby the pH of a solution of 1 gram of the detergent composition in 1 liter of water with a hardness of 10 degree German before the addition of the detergent composition at 20 degree C., is in the range of 7 to 11.

Comp.specn. 32 pages, Drgs.Nil

IND. CL. : **207 [XLIII(6)]** 188298

INT. CL. : **B 27 N – 1/00,3/ 08**

TITLE : **A PROCESS FOR MANUFACTURE OF MOULDED WOOD ARTICLES.**

APPLICANT : **DARA CAWASJI POONAWALA, SALSETTE PARSI COLONY, BUILDING NO.A-3, FLAT NO. 601, 6TH FLOOR, JEEJAMATA ROAD, NEAR OLD PUMP HOUSE, ANDHERI EAST, MUMBAI 400 093, MAHARASHTRA, INDIA.**

INVENTORS : **HOMI GUSTADJI MAROLIA**

APPLICATION NO : **577/BOM/1996 FILED ON 27.11.1996**

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 1972), PATENT OFFICE BRANCH , MUMBAI - 13.

03 CLAIMS

A process for manufacture of moulded wood articles comprising step of (i) crushing and pulverizing of wood chips and/or agro materials to get micro sized powder; (ii) screening, refining and drying of the said micro sized powder to remove moisture thoroughly; (iii) mixing of the said dried micro sized powder with PVC resin or HD resin or HDPE resin along with phenolic powder in the ratio of:

Wood/Agro powder	50% to 70%
PVC or HD or HDPE resin	20% to 40%
Phenolic powder	5% to 10%

(iv) pressing of the said mixture of step (iii) in injection moulding machine or hydraulic presses to get the required shaped article; (v) cutting or trimming of the said article of step (iv) to get required size and finished moulded wood article.

Comp.specn. 07 pages, Drgs. Nil sheet

IND. CL. : 27 E, 27G [XXII(1)] 188299

INT. CL. : E 04 B - 1/08, 1/118, 1/24, 7/00

TITLE : BUILDING STRUCTURE

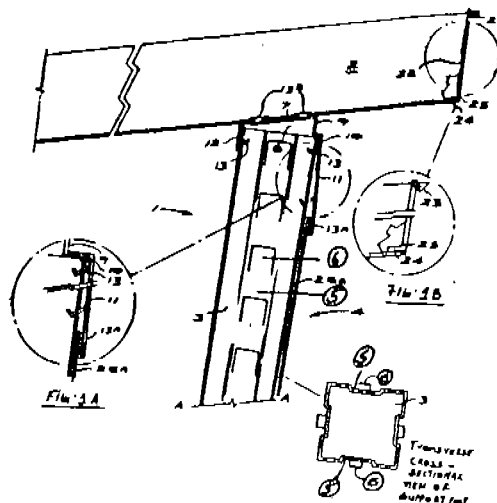
APPLICANT & INVENTORS : DALMAIN FREDRICK UNTIEDT, A SOUTH AFRICAN NATIONAL OF 5, JELICOE STREET, ROSE BANK, GAUTENG, REPUBLIC OF SOUTH AFRICA.

APPLICATION NO : 589/BOM/1996 FILED ON 6.12.1996
Priority No. 95/10342 dated 6.12.1995 of South Africa

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 1972), PATENT OFFICE BRANCH, MUMBAI - 13.

08 CLAIMS

A building structure is comprising a combination of a support post with a beam having a generally triangular cross-sectional shape with outwardly directed longitudinally extending flanges at the base and a channel formed along the peak of the beam, roofing sheets on the beam which is supported by a support post which is a rolled rectangular cross sectioned sheet metal component each side of which has a centrally located longitudinally extending stiffening channel formed therein. a wall plate being included between the post and the beam, the wall plate comprising a component rolled to generally channel cross-section one flange of which has an outwardly extending step terminating in a section extended parallel to the channel flanges. and for the flanges to be inclined to the web of the channel.



Comp. specn. 10 pages.

Drawings 2 sheets

IND. CL. : 146 E [XXXVIII(2)] 188300

INT. CL. : G 01 K 5/12

TITLE : A THERMOMETER AND ITS METHOD OF MANUFACTURE.

APPLICANT : HINDUSTAN LEVER LIMITED,
HINDUSTAN LEVER HOUSE,
165-166, BACKBAY RECLAMATION
MUMBAI : 400 020.
MAHARASHTRA,
INDIA.

INVESTOR(S) : 1. SAMBAMURTHY JAYARAMAN SURESH.
2. VIJAY MUKUND NAIK.
3. BALASUBRAMANIAN VAIDYANATHAN.
4. JAYESH RAMESH BELLARE

APPLICATION NO : 594/BOM/1996 FILED ON : 10/12/1996
COMPLETE SPECIFICATION AFTER PROVISIONAL
SPECIFICATION FILED ON : 29/12/1997

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4,
PATENTS RULES 1972), PATENT OFFICE BRANCH, MUMBAI – 13.

34 CLAIMS

1) A thermometer comprising :

a capillary tube having a bore extending along the length of the tube, a bulb disposed at an end of the tube and in fluid communication with the said bore and a thermometric liquid provided in the bulb, the said thermometric liquid being an aqueous solution of one or more electrolytes, said thermometric liquid having a surface tension greater than that of water and being substantially free of dissolved gases, atleast the inner surface of the bore of the capillary tubing being a low surface energy material, the surface energy of the said low surface energy material being lower than the surface tension of the thermometric liquid by a factor which is atleast two

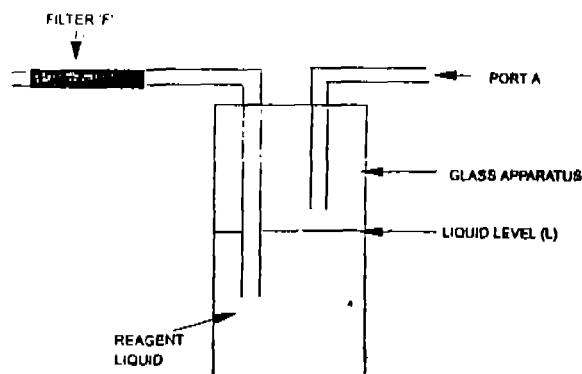


FIGURE 1 Apparatus for testing the wetting of capillary bore

Provisional Specification : 16 Pages
Complete Specification : 25 Pages;

Drawings 2 Sheets
Drawings 2 Sheets

IND. CL. : 39 O 188301

INT. CL. : C 01 B 33/28

TITLE : A METHOD FOR PREPARING HYDROTHERMALLY STABLE METAL TOLERANT, HIGHLY CRYSTALLINE NAY ZEOLITE.

APPLICANT : INDIAN OIL CORPORATION LTD., G-9, ALI YAVAR JUNG MARG BANDRA (EAST) BOMBAY - 400 051. (INDIA)

INVENTOR : 1. MOHAN PRABHU KUVETTU
2. MANORANJAN SANTRA
3. VENKATACHALAM KRISHNAN
4. SANJAY KUMAR RAY
5. CRISTOPHER JAYARAJ
6. GANGA SHANKER MISHRA
7. RAM MOHAN THAKUR
8. SATISH MAKHIJA
9. SOBHAN GHOSH

APPLICATION NO. : 614/BOM/96 FILED ON: 23-12-96

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 1972),
PATENT OFFICE BRANCH, MUMBAI-13.

06 CLAIMS

A method for preparing hydrothermally stable, metal tolerant highly crystalline Nay zeolite, comprising preparing a seed solution by diluting water glass with the equal amount of demineralised water and then adding a solution of sodium aluminate thereto, preparing a precursor solution, combining said seed solution with said precursor solution in the amount 0.1 to 10% by weight of the product under stirring, heating said mixture at a temperature of 102°C to 104°C for a period of 9-23 hours to obtain said Nay zeolite and then washing said zeolite with boiled demineralised water followed by drying to obtain said Nay zeolite.

Complete Specification: - 14 Pages,; Drawings 02 Sheets.

IND. CL. : 170 A 188302

INT. CL. : C 11 D 3/37

TITLE : A DETERGENT COMPOSITION AND ITS PROCESS OF MANUFACTURE.

APPLICANT : HINDUSTAN LEVER LIMITED,
HINDUSTAN LEVER HOUSE,
165-166, BACKBAY RECLAMATION
MUMBAI . 400 020.
MAHARASHTRA, INDIA.

INVESTOR(S) : 1) VELAYUDHAN NAIR GOPA KUMAR
2) ANURADHA MOULEE
3) PERINCHEERY ARAVINDAKSHAN

APPLICATION NO : 624/BOM/1996. FILED ON : 30-12-1996

Complete after provisional left on 29.12.1997.

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4,
PATENTS RULES 1972), PATENT OFFICE BRANCH, MUMBAI – 13.

13 CLAIMS

1) A detergent composition comprising;

A modified starch such as herein defined as soil release polymer having modified hydrophobicity in the range of 1 to 15% , preferably 1 to 5%;

detergent active material such as herein defined in an amount of 2-95% by wt preferably 5-30% by wt.

detergent builder such as herein defined in an amount of 1-50% by wt., preferably 5-30% by wt; and

filler such as herein defined in an amount of 10 to 75% by wt. preferably 20-40% by wt.

Provisional Specification : 16 Pages; Drawings Nil Sheets

Complete Specification : 19 Pages; Drawings Nil Sheets

IND. CL. : **88 D** 188303

INT. CL. : **F 02 C -07/143**

TITLE : **A DEVICE FOR RAPID AUTOMATIC LEAK TESTING OF GAS CYLINDER VALVE OF SELF CLOSING TYPE**

APPLICANT : **YUNUS PATEL, BALMAD BUILDING, GROUND FLOOR, FLAT NO.1, 20 MARATHA MANDIR ROAD, BOMBAY CENTRAL, MUMBAI 400 008, MAHARASHTRA, INDIA.**

INVENTORS : **-IDEM-**

APPLICATION NO : **630 BOM 1998 FILED ON 28.09.1998**

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 1972), PATENT OFFICE BRANCH , MUMBAI - 13.

06 CLAIMS

A device for rapid automatic testing for leakage from seat leak and O-ring leak from gas cylinder valve of self closing type and to automatically eject the cylinders with leaky valves from the conveyor line comprising:

- a testing head mounted on an attachment to move vertically up and down by a pneumatic actuator,
- the output of the said testing head is connected to a pilot valve,
- outlet stoppers at least one on each side of the conveyor line for stopping the cylinder under the rest head,
- the inlet stopper for restraining the cylinders behind the cylinder under test on the conveyor line,
- a pneumatic pusher provided perpendicular to the said conveyor line for ejecting the leaking cylinders from the conveyor line,
- a pneumatic switch for detecting the presence of a cylinder on the conveyor line,
- the output from the switch and the pilot valve is connected to a conventional pneumatic circuitry for controlling the movement of the testing head, outlet and inlet stoppers and the pneumatic pusher.

Comp.specn. 9 pages, drgs. 6 sheets.

IND. CL. : **181 [XLV(6)]** 188304

INT. CL. : **F 16 J - 15/24**

TITLE : **A REINFORCED YARN RECUPERATING GLAND PACKING.**

APPLICANT : **M/S. STOPLIK SERVICES (INDIA) PVT.LTD., PLOT NO. A/465,
ROAD NO. 28, WAGLE INDUSTRIAL ESTATE, THANE 400 604,
MAHARASHTRA, INDIA**

INVENTOR : **RAJ KUMAR PANDEY**

APPLICATION NO : **127/BOM/1997 FILED ON 05.03.1997**

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4,
PATENTS RULES 1972), PATENT OFFICE BRANCH , MUMBAI - 13.**

02 CLAIMS

A reinforced yarn recuperating gland packing comprising of plurality of reinforced yarn braided to obtain desired square cross section wherein the said reinforced yarn consists of a plurality of synthetic fibres like Aramid fibre or Carbon fibre or Glass fibre or Polyamide fibre like Nylon fibre or Rayon fibre or combination thereof with desired air entrapment and outer envelop of PTFE yarn or Graphite PTFE yarn or combination thereof.

Comp.specn. 10 pages, Drgs. 04 sheets

IND. CL. : 181 [XLV (6)] 188305

INT. CL. : F 16 J -15/16

TITLE : A HOLLOW SQUARE CORE HIGH RECUPERATING PACKING.

APPLICANT : M/S. STOPLIK SERVICES (INDIA) PVT.LTD., PLOT NO. A/465, ROAD NO. 28, WAGLE INDUSTRIAL ESTATE, THANE 400 604, MAHARASHTRA, INDIA.

INVENTORS : KIRIT KUMAR MANILAL NANANI

APPLICATION NO : 129/BOM/1997 FILED ON 05.03.1997

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 1972), PATENT OFFICE BRANCH , MUMBAI - 13.

05 CLAIMS

A hollow square core high recuperation packing for Stern tube, Rudder, Stabilizer, Pumps, Mixers, Agitators, and the like comprising an inner hollow square core made of rubber such as silicon, viton, ethylene propylene, nitrile, neoprene, butyl and the like, having a round inner hole and an outer braiding consisting of a plurality of reinforced yarn consisting of either PTFE Yarn or Graphite PTFE Yarn only or PTFE yarn or Graphite PTFE yarn reinforced with Aramid Fibre, Carbon Fibre, Glass Fibre or Nylon Fibre or Rayon Fibre or a combination thereof.

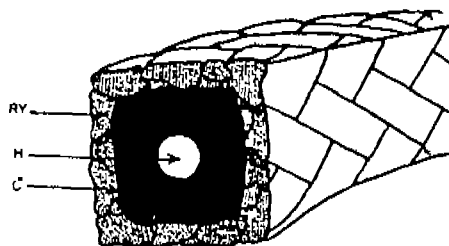


FIG. 2

Comp.specn. 06 pages, Drgs. 2 sheets

IND. CL. : 181 [XLV (6)] 188306

INT. CL. : F 16 J, 15/22

TITLE : A PROCESS FOR MANUFACTURING OF HIGH SPEED FIBROUS IN-SITU MOLDABLE STICK FOR GLAND PACKING.

APPLICANT : M/S STOPLIK SERVICES (I) PVT., LTD.,
PLOT NO. A/465, ROAD NO. 28,
WAGLE INDUSTRIAL ESTATE,
THANE – 400 604,
MAHARASHTRA, INDIA

INVESTOR(S) : RAJ KUMAR PANDEY.

APPLICATION NO : 130/BOM/1997 **FILED ON** : 5-03-1997.

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4,
PATENTS RULES 1972), PATENT OFFICE BRANCH, MUMBAI – 13.

10 CLAIMS

A Process for manufacturing of high speed fibrous in-situ moldable gland packing stick comprising of steps of :

- a) extruding PTFE granules to obtain PTFE fibres having length of 100 to 250 mm and diameter of 0.25 to 1.5mm.;
- b) chopping the extruded fibres of step 'a' to a length of 5 to 50mm;
- c) aging of chopped PTFE fibres in lubricating oil in the ratio of 10 to 30% by weight of finished high speed fibrous in-situ moldable sticks;
- d) mixing 30 to 45% of PTFE granules by weight of finished high speed fibrous in-situ moldable sticks with carrier 1 to 5% by weight of finished high speed fibrous in-situ moldable sticks and extruding hydraulically at high pressure to obtain rods of 50 to 110mm of diameter and length of 1000 to 3000mm.
- e) Shredding and skiving the PTFE rod of the step 'd' to obtain interlocking PTFE fibre of 0.2 to 0.5mm diameter and length of 1 to 30mm;
- f) Blending interlocking PTFE fibre; (30 to 45%) lubricant aged PTFE fibre (30 to 45%), exfoliated graphite (10 to 30%), corrosion inhibitor (0.02%), binder (5 to 10%) in a mixer to make a homogenous mass;
- g) extruding the homogenous mass to step 'f' in an extruder at high pressure to obtain fibrous sticks of triangular cross section.

Complete Specification : 6 pages; Drawings 1 sheet.

IND. CL. : **181 [XLV (6)]** 188307

INT. CL. : **F 16 J -15/22**

TITLE : **A HIGH SPEED FIBROUS IN-SITU MOLDABLE STICK FOR GLAND PACKING.**

APPLICANT : **M/S. STOPLIK SERVICES (INDIA) PVT.LTD., PLOT NO. A/465, ROAD NO. 28, WAGLE INDUSTRIAL ESTATE, THANE 400 604, MAHARASHTRA, INDIA.**

INVENTORS : **RAJ KUMAR PANDEY**

APPLICATION NO : **131 BOM 1997 FILED ON 05.03.1997**

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 1972), PATENT OFFICE BRANCH , MUMBAI - 13.

04 CLAIMS

High speed fibrous insitu moldable gland packing stick comprising of an extruded fibrous stick preferably triangular in cross section extruded at high pressure wherein the said fibrous stick consist of blended mixture of exfoliated graphite flakes 10 to 30%, lubricant aged PTFE fibres 30 to 45%, Interlocking PTFE fibres 30 to 45%, corrosion inhibitor 0.02%., , binders like wax 5 to 10%.

Comp.specn. 05 pages, Drgs. 01 sheet.

IND. CL : 181 [XLV (6)] 188308

INT. CL. : F 16 J 15/16

TITLE : A-LOW COMPRESSION HIGH PERFORMANCE PACKING.

APPLICANTS : STOPLIK SERVICES (INDIA) PVT. LTD.,
PLOT NO. A/465,
ROAD NO. 28, WAGLE INDUSTRIAL ESTATE,
THANE - 400 604,
MAHARASHTRA, INDIA.
AN INDIAN COMPANY REGISTERED UNDER
THE COMPANIES ACT, 1956.

INVENTORS : RAJ KUMAR PANDEY.

APPLICATION NO. 276/BOM/1997 FILED ON : 30-04-1997
COMPLETE AFTER PROVISIONAL SPECIFICATION LEFT ON DT. 20-06-97

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4,
PATENTS RULES 1972), PATENT OFFICE BRANCH, MUMBAI-13.

8 CLAIMS.

A low compression high performance packing comprising of a plurality of hollow tubes made of rubber or fluoro polymer or a combination thereof, enveloped with Polytetra Fluoro Ethylene (PTFE) yarn, PTFE Reinforced Yarn or Graphite PTFE Yarn or Graphite PTFE Reinforced Yarn or combination thereof and braided together to obtain a round or square core, the said braided core being further braided with a plurality of Polytetra Fluoro Ethylene (PTFE) yarn, PTFE Reinforced Yarn or Graphite PTFE Yarn or Graphite PTFE Reinforced Yarn or a combination thereof forming the outer cover, resulting in the desired cross sectional size of the gland packing.

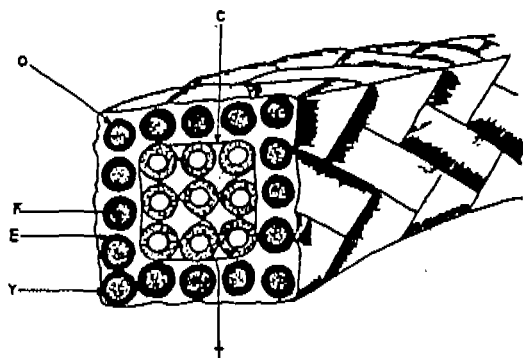


FIG. NO.1

Provisional Specification : 05 Pages ; Drawing 05 Sheets.
Complete Specification : 06 Pages ; Drawing 03 Sheets.

IND. CL. : 32 F2 (B) + 406 188309

INT. CL. : C07 D499/18, C12P37/00

TITLE : AN IMPROVED PROCESS FOR THE RECOVERY OF 6-AMINO PENICILLANIC ACID BY ELECTRODIALYSIS:

APPLICANT : KOPRAN LIMITED
PARIJAT HOUSE, 1076,
DR. E. MOSES ROAD,
WORLI, MUMBAI -400018,
MAHARASHTRA, INDIA.

INVENTORS : 1 SUBHASH MALI
2 RAJAN GUPTA
3 JAYANT DESHPANDE

APPLICATION NO. : 163/Bom/99 FILED ON 08.03.99

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 1972), PATENT OFFICE BRANCH, MUMBAI 13.

6 CLAIMS

An improved process for the recovery of 6-amino penicillanic acid comprising : hydrolyzing penicillin solution using penicillin amidase enzyme, filtering the hydrolysed mass through # 400 mesh to separate the enzyme, characterized in concentrating the hydrolysed mass by conventional electrodialysis and precipitating 6-amino penicillanic acid by isoelectric precipitation at pH 4.2.

Complete Specification: 7 Pages

Drawings: 1 Sheet

IND. CL : 55 E 4 188310

INT. CL. : A 61 K 9/22

TITLE : PROCESS FOR THE PREPARATION OF A
CARDIOTONIC COMPOSITION

APPLICANTS : SUN PHARMACEUTICALS LTD.,
ACME PLAZA,
ANDHERI-KURLA ROAD,
ANDHERI (E),
MUMBAI : 400 059.
INDIA.

INVENTORS : 1) DR. NITIN BHALACHANDRA DHARMADHIKARI
2) DR. VAISHALI VIJAY DHAVSE.

APPLICATION NO. : 682/MUM/2001

FILED ON : 17/07/2001

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES
1972), PATENT OFFICE BRANCH, MUMBAI-13.

08 CLAIMS

A process for the preparation of a cardiogenic composition comprising the steps of mixing micronized dioxin wherein the micronized dioxin is such that at least 50% of the particles are less than 15 microns, at least 90% of the particles are less than 25 microns and at least 99% of the particles are less than 50 microns, hydrophilic polymer(s) and optionally pharmaceutically acceptable excipient(s) and converting the homogeneous mixture into a tablet that releases not more than 50% dioxin in 5 minutes and at least 85% dioxin in 60 minutes when tested in vitro in United state Pharmacopoeia Type I Dissolution apparatus 500 ml of 0.1 N HCL at rpm of 120 for 60 minutes at 37° C.

Complete Specification : 12 Pages. Drawings Nil Sheets.

IND. CI : **161 D** **188311**

INT. CL. : **E 01 C 3/06**

TITLE : **A METHOD OF MAKING IMPROVED GEONETS AND GEOBOXES FOR ROADS AND EARTH STRUCTURES.**

APPLICANT : **GARWARE WALL ROPES LTD
PLOT No.11,D-1, BLOCK MIDC,
CHINCHWAD, PUNE 411 019,
MAHARASHTRA, INDIA.**

INVENTORS : **RAMESH TELANG.**

APPLICATION NO. : **487/BOM/1996 FILED ON 03.10.1996.**

**COMPLETE SPECIFICATION FILED AFTER PROVISIONAL SPECIFICATION ON
DATED 26.10.1997.**

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES
1972),PATENT OFFICE BRANCH, MUMBAI - 13**

01 – CLAIMS.

A method of making improved geonet and geobox for road and earth structures comprising the following steps :

- a) Extruding hdpe twisted twines for net manufacturing of 0.5 to 6mm diameter;
- b) forming plurality of mesh size 10mm x10 mm and 100mm x100mm from the said polymer twines of step (a) and heating the same for dimensional stability.
- c) knotting these mesh of step (b) in the knotting machine to form the net having 40 to 50 numbers of such square meshes and providing 4mm rope border at the top to form square, rectangular, polygonal, round, oval shaped inplan box and supporting the said box vertically by bamboo sticks having sharp edge at the bottom for piercing through the ground surface and providing with two holes at the top for tying vertically a number of geonets placed one over the other.

Provisional specification 03 Pages Drawings Nil.
Complete specification 05 Pages Drawings 1.

IND. CI : 201 D 188312

INT. CL. : C 01 G -1/32,

TITLE : WATER PURIFICATION DEVICE.

APPLICANT : MONIBA ANAND ELECTRICALS PVT. LTD.
An Indian Company Of Plot No. 1, Near Fafeco,
Off Saki Vihar Road, Chandivli, Andher (E),
Mumbai - 400 072, Maharashtra, India.

INVENTORS : RAKESH BHOGIBHAI ENGINEER.

APPLICATION NO. : 9/BOM/1997 FILED ON 7.1.1997

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 1972), PATENT OFFICE BRANCH, MUMBAI - 13

04 - CLAIMS.

A water purification device comprising :
hollow main housing having an open end and a closed end

an inlet for receiving water to be purified;

a hollow cylindrical liquid filtration means located within said main housing defining an annular prefilter bowl area between the inner wall of the main housing and the outer wall of the filtration means, said annular prefilter bowl area in communication with the inlet for receiving water to be purified under positive pressure therein; said filtration means being a cylindrical shaped hollow water pervious filter candle having bottom end closed & top end having threaded opening for connection of the inner hollow with the outlet;

a sealed ultra-violet chamber having a translucent housing having an ultra violet lamp emitting ultra violet rays when energized which can irradiate water led through it with ultra-violet radiation, said chamber fitted within the hollow of the filter candle immersed in the filtered water passing through the candle;

hollow tube fitted at the outlet end of the inner hollow of the candle, said tube capable of directing the entire flow of water from the filtration means to pass over and to have optimum contact period between ultra violet rays and the filtered water passing from the filtration means to the main outlet for supplying purified water; said tube having a reflective inner surface for reflecting at least a part of the ultra violet rays back into the water within the inner hollow flow channel for optimum irradiation of water.

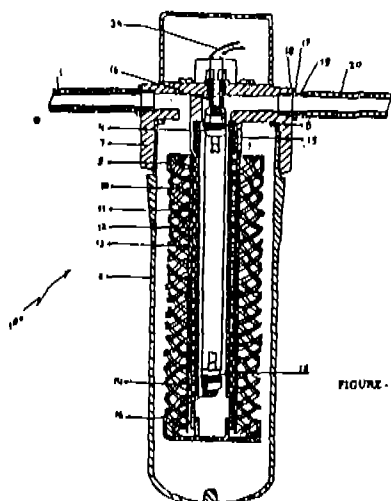


FIGURE - 1

IND. CL. : **32 F 3a [IX(1)]** 188313

INT. CL. : **C 07 D - 311/04**

TITLE : **PROCESS FOR PREPARING ANTI-JUVENILE HORMONES
USEFUL FOR CONTROLLING RED COTTON BUG,
DYSDERCUS KOENIGII.**

APPLICANT : **AGHARKAR RESEARCH INSTITUTE, G.G. AGARKAR ROAD,
PUNE 411 004, MAHARASHTRA, INDIA.**

INVENTORS : **(1) DR. DATTATRAYA GOPAL NAIK
(2) DR. ARVIND HARI KAPADI**

APPLICATION NO : **26/BOM/1997 FILED ON 16.01.1997
COMPLETE SPECIFICATION FILED AFTER
PROVISIONAL SPECIFICATION ON 13.1.1998**

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4,
PATENTS RULES 1972), PATENT OFFICE BRANCH , MUMBAI - 13.**

02 CLAIMS

A process for preparing Anti-Juvenile Hormones useful for controlling red cotton bug, *Dystercus koenigii* comprising:

- (i) Reaction of resorcinol with 3,3-dimethyl acrylic acid under the catalyst phosphoryl chloride and anhydrous zinc chloride leading to a common intermediate 7-hydroxy 2,2-dimethyl 4-chromanone,
- (ii) the etherification of the intermediate obtained with isopropyl bromide or allyl bromide or propargyl bromide by its reaction under anhydrous potassium carbonate and heating at 50 to 55 degree C for 12 hours in acetone and isolating the corresponding ether by solvent ether extraction followed by column chromatography for purification,
- (iii) the reduction of the isopropyl, allyl and propargyl ethers thus obtained with sodium borohydride or lithium aluminium hydride in methanol or ether yielding the required 7-isopropoxy 2,2-dimethyl chromene; 7-allyloxy 2,2-dimethyl chromene and 7-propargyloxy 2,2-dimethyl chromene.

Prov. Specn. 3 pages, Drgs. Nil

Comp. Specn. 8 pages, Drgs. Nil

IND. CL. : 39 K [III] 188314
189[LXVI(9)]

INT. CL. : C 01 B 33/193
A 61 K 7/16

TITLE : TOOTHPASTE COMPOSITION

APPLICANT : HINDUSTAN LEVER LIMITED,
HINDUSTAN LEVER HOUSE, 165/166
BACKBAY RECLAMATION,
MUMBAI 400 020,
MAHARASHTRA, INDIA
AN INDIAN COMPANY.

INVENTOR(S) : PETER WILLIAM STANIER

APPLICATION NO : 27/BOM/1997 FILED ON : 17.01.97
PRIORITY NO. 9601084.8 DATED 19.01.96 OF U.K.

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 1972), PATENT OFFICE BRANCH, MUMBAI – 13.

03 CLAIMS

Tooth paste composition comprising an amorphous silica, containing 0.1 to 3% (w/w) of surfactants such as herein described, 1 to 90% (w/w) of water, 0 to 15% (w/w) of thickening agents such as herein described, 0.1 to 5% (w/w) of suspending agents such as herein described, characterized in that said silica presents:

An RDA value of between 40 and 70, preferably between 50 and 60, a light transmission of more than 70% at a refractive index of below 1.445.

Complete Specification: 21 Pages;

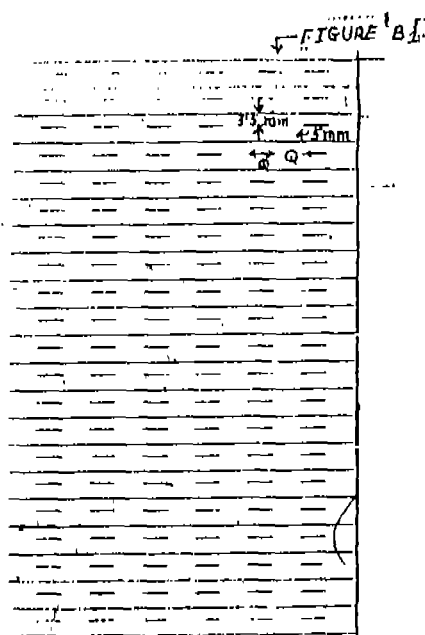
Drawings NIL Sheets.

IND. CL. : **145 B** 188315
INT. CL. : **B 41 L -- 23/ 24, B 41 F -- 23/ 08**
TITLE : **A PAPER WITH TRACKS FOR IMPROVING HANDWRITING**
APPLICANT : **PARVATI VASANTDAS GUJARATHI & VASANTDAS
GOPALDAS GUJARATHI, FALT NO.002, WING 'B'
BLDG.NO.4,4, BUNGLOW, ANDHERI (WEST) ,
MUMBAI 400 053, MAHARASHTRA, INDIA.**
INVENTORS : **-IDEM-**
APPLICATION NO : **33/BOM/19987FILED ON 20.01.1997**

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4,
PATENTS RULES 1972), PATENT OFFICE BRANCH , MUMBAI - 13.**

01 CLAIM

A paper with tracks for improving handwriting comprises of a plain paper provided with a solid and broken lines in alternate fashion, the distance between said solid to broken line 3.5 mm and broken to solid line being 4.5 mm and the said broken line being formed of dash and gap both being of equal in size and of 8 mm.



Comp.specn. 7 pages, Drgs. 3 sheets

IND. CL. : **62 [XXII(1)] C 2** 188316

INT. CL. : **C 09 B -6/00, 7/04**

TITLE : **A PROCESS OF SOLVENT TREATMENT FOR THE PREPARATION OF PIGMENT WITH ENHANCED PIGMENTARY PROPERTIES**

APPLICANT : **SUDARSHAN CHEMICAL INDUSTRIES LIMITED, 162, WELLESLEY ROAD, PUNE 411 001, MAHARASHTRA, INDIA**

INVENTORS : (1) **DR. CHETAN PURUSHOTTAM PHADKE,**
(2) **MR. SURYAKANT VENUNATH DEOCHAKE**

APPLICATION NO : **36 BOM 1997 FILED ON 21.01.1997**
Complete specification filed after provisional specification on 15.04.1998

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 1972), PATENT OFFICE BRANCH, MUMBAI - 13.

06 CLAIMS

A process of solvent treatment for the preparation of pigment with enhanced pigmentary properties comprising the following steps:

- a) a solvent system, consisting of use of the esters of mono and/or dicarboxylic acids, or the esters of aliphatic alcohols and aromatic carboxylic acid;
- b) heating the pigment slurry in water, with the solvent system of step (a) along with emulsifiers at temperature ranging between 30 degree C to 150 degree C at atmospheric pressure or at enhanced pressure ranging from 1 to 5 kg/cm²

Comp. specn. 5 pages, Drgs. Nil sheets

IND. CL : 179 G 188317

INT. CL. : B 65 D 47/34
83/00

TITLE : MULTI COMPARTMENT DISPENSER.

APPLICANTS : HINDUSTAN LEVER LIMITED,
HINDUSTAN LEVER HOUSE,
165-166, BACKBAY RECLAMATION
MUMBAI : 400 020.
MAHARASHTRA, INDIA.

INVENTORS : 1) ROBERT ALFRED BENNET
2) JAMES LYNN TURBETT
3) MARK JOHN IAIA
4) JOHN BENGSTON

APPLICATION NO. 38/BOM/1997

FILED ON : 21/01/1997

PRIORITY NO. 60/010278

DATED : 22/01/1996 of USA

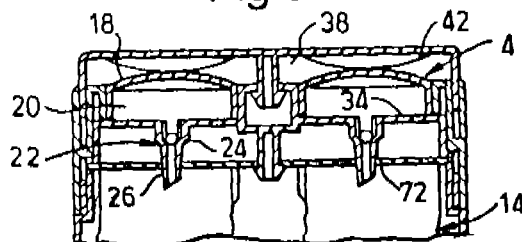
APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 1972), PATENT OFFICE BRANCH, MUMBAI-13.

13 CLAIMS.

A multi-compartment dispenser comprising :

- (i) a container having a first and second end;
- (ii) a plurality of compartments within the container, each compartment storing a pumpable product
- (iii) a plurality of pump means each for drawing product from a respective one of the plurality of compartments, the pumps means being positioned over the first end of the container and comprising:
 - (a) a connector tube with upper and lower ends;
 - (b) a collecting chamber for receiving product drawn upward from the connector tube;
 - (c) a one-way check valve interposed between the upper end of the connector tube and the collecting chamber;
 - (d) an elastomeric wall at least partially positioned over and communicating with the collecting chamber, the elastomeric wall being resiliently pressable thereby capable of compressing the collecting chamber;
 - (e) a dispensing member communicating with the collecting chamber having an exit orifice through which product can flow outward;
 - (f) a one-way monitoring valve downstream from the collecting chamber controlling the outward flow through the dispensing member;
- (iv) a means to simultaneously activate the plurality of pump means.

Fig.3.



Complete Specification : 19 Pages; Drawing 4 Sheets.

IND. CL : 172 D4 [XX] 188318

INT. CL. : D 01 H, 5/72

TITLE : IMPROVED DRAFTING SYSTEM FOR RING FRAMES AND THE LIKE MACHINES.

APPLICANTS : AHMEDABAD TEXTILE INDUSTRY'S RESEARCH ASSOCIATION,
A SOCIETY REGISTERED UNDER THE SOCIETIES REGISTRATION
ACT,
XXI, OF 1860, OF P.O. AMBAWADI
VISTAR,
AHMEDABAD : 380 015,
GUJARAT, INDIA., INDIA

INVENTORS : 1) ARVIND KUMAR AGRAWAL
2) JAYANTILAL BHAVANBHAI DHORIYANI
3) ROHIT GUNVANTLAL BHAGAT

APPLICATION NO. 57/BOM/1997 FILED ON : 30/01/1997
COMPLETE AFTE PROVISIONAL LEFT ON : 28/04/1998

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4,
PATENTS RULES 1972), PATENT OFFICE BRANCH, MUMBAI-13.

06 CLAIMS.

An improved drafting system for ring frames and the like machines, comprising a pair of back rolls forming a back roll nip therebetween for the entry of roving a pair of middle rolls forming a middle roll nip therebetween, disposed downstream of said back roll nip, a pair of top and bottom aprons forming an apron nip, and disposed downstream of the middle roll nip for passage of fleece through said apron nip from the middle roll nip, and a pair of front rolls, disposed downstream of the apron nip and spaced at a distance from the apron nip, said front rolls forming a front roll nip therebetween through which the roving from the apron is caused to be passed to form a drafted fleece, a nose bar being provided for facilitating the movement of the bottom apron, characterized in that a fibre control device in the form of a guide bar is adjustably provided between the apron nip and the front roll nip for supporting the roving between the apron nip and the front roll nip, thereby considerably reducing free floating of comparatively shorter fibres in the roving.

Provisional Specification : 05 Pages; Drawing 2 Sheets.
Complete Specification : 11 Pages; Drawing 1 Sheets.

IND. CL. : 69 A [LIX(1)] 188319

INT. CL. : H 01 H 73/00, 73/04

TITLE : AN IMPROVED CONTACT SYSTEM FOR A MOULDED CASE CIRCUIT BREAKER.

APPLICANT : LARSEN & TOUBRO LTD., L & T HOUSE, BALLARD ESTATE, MUMBAI – 400 001, MAHARASHTRA, INDIA.

INVENTOR : ARUN MADHAV TALEGAONKAR

APPLICATION NO. : 58/BOM/97 **FILED ON:** 31-01-97

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 1972),
PATENT OFFICE BRANCH, MUMBAI-13.

01 CLAIMS

An improved contact system for a moulded case circuit breaker comprising a pair of contact arms, i.e. a lower arm and an upper arm, each having a silver contact point, the said lower contact arm fixedly mounted on the moulded case and the said upper arm pivotedly mounted on a drive shaft, the said upper arm provided with prongs at its lower end, a compression spring provided in a recess formed between the said prongs, a cap mounted on the said prongs at the lower end of the upper arm, a stepped notch provided on the outer surface of the said drive shaft, a notching profile provided to the said stepped notch of the shaft and on the surface of the said cap, giving a ball catch type effect and a handle with a linkage mechanism and a stack of deion plates provided in the moulded case.

Complete Specification: 7 Pages,; Drawings 01 Sheet.

IND. CL : 17 E [XIV (2)] 188320

INT. CL : C 12 C, 11/06
C 12 F, 1/02

TITLE : A CONTINUOUS PROCESS FOR PRODUCING ETHANOL BY ETHANOL FERMENTATION USING LOCCULATING YEAST AND YEAST RECYCLE IN YEAST ACTIVATION MODE.

APPLICANTS : PRAJ INDUSTRIES LTD.,
1216/6, FERGUSSON COLLEGE
ROAD,
PUNE : 411 004,
MAHARASHTRA, INDIA.

INVENTORS : 1. SHASHANK INAMDAR.
2. NANDKUMAR PRADHAN

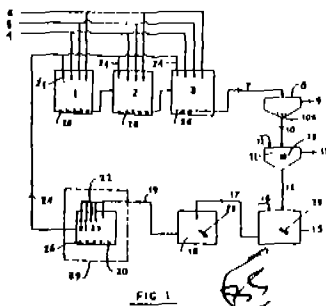
APPLICATION NO. 595/BOM/1996 FILED ON : 10-12-1996

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 1972), PATENT OFFICE BRANCH, MUMBAI-13.

1 CLAIM.

A continuous process for producing ethanol by ethanol fermentation using flocculating yeast and yeast recycle in yeast activation mode comprising following steps :-

- The number of fermentors interconnected serially or parallel, having facilities of molasses and other sugar containing raw materials, process water, nutrients addition continuously and air and CO₂ sparging;
- Fermented wash from the last fermentor is taken to a conical setting tank, where yeast cells get flocculated and for the big floccs, these floccs further get settled at the council portion of the tank in the form of yeast cream, and supernatant deyeasted wash is taken to another gravity settler where the settleable solids are separated out and supernatant clear wash is taken for distillation.
- said yeast cream is separated out from the bottom of the settling tank and washed with water in washing tank and pH adjusted to 1.8 to 3.0 in acidification tank;
- After adjustable pf pH, the said yeast cream is taken to the holding tank for 0.5 to 1.5 hr. holding;
- after holding, the said yeast cream is taken to yeast activation tank having a stirrer for agitation of yeast cream and spargers to sparge air into it, and also having dosing lines for sugar solution, another line for providing nutrients in the form of sulphates, nitrates, chloride salts of Zn, Mg, Mn and Mb or the like elements in the proportion of 10 to 150 ppm depending on the composition of the molasses, yet another line for providing nitrogenous and phosphorous compounds wherein the nitrogen is available through urea and phosphorous is made available through dap in the proportion of 100 to 500 ppm which again depends upon the composition of molasses;



Complete Specification :10 Pages ; Drawing 1 Sheet.

OPPOSITION PROCEEDINGS

An opposition has been entered by Mrs. Vandana Sunil Bhide, Pune to the grant of a patent on Application No. 187163 (581/Bom/1999) made by M/s. National Institute of Virology, Pune.

The opposition as entered by M/s. Hindustan Lever Limited, to the grant of a Patent on Application No. 181476 (271/Bom/1994) made by P. N. Khanna & A. C. Khanna as notified in Gazette of India, Part III, Section 2 dated 20-06-1998 has been treated as withdrawn and no patent shall be granted.

An opposition has been entered by M/s. Hindustan Lever Limited, Mumbai-400 020 to the grant of a Patent Application No. 187164 (782/Bom/1999) made by M/s. MARICO INDUSTRIES LIMITED, MUMBAI-400 050.

Renewals Fees Paid

184216 184241 182534 178241 186164 184523 183703 184214 183765 184583 178541 179101 186499
 186503 186510 176287 179939 185101 177771 176207 173973 177507 176998 172871 183406 179742
 172396 182473 185251 181466 182130 184276 184320 177020 186505 180620 182658 184192 185411
 185780 186175 186276 186279 183674 171917 177952 176575 174297 186262 186272 186328 186370
 171864 186265 177985 181720 181597 181658 179930 174462 179215 181639 184811 184759 185473
 184754 172854 183792 184446 183467 175660 177660 181867 178363 172567 183446 183468 183568
 178439 178671 178199 181389 183529 185110 182563 184215 177569 183547 184153 182260 185282
 179302 177388 177607 186543 186701 177684 182472 179363 183701 173852 174711 175830 177785
 183201 182254 174917 179059 179949 181705 183117 185772 186274 186323 186327 186366 186369
 175648 173272 177660 178017 177012 181659 181378 181887 172862 175999 179561 185109 183118
 182853 178665 184527 177556 184242 183702 185342 177028 183464 185453 177776 173045 177617
 174367 175213 186693 186368 178516 179359 181953 182052

PATENT SEALED ON 02-08-2002

186842 186952 186953 186954 186955 186957 186961* 186962* 186964*D 186966*F 186967*D
 186968* 186969*D 186970* 186972 186973 186975*F 186976*D 186977*D 186978*D 186979*D
 186980* 186982 186983* 186986* 186987* 186988 186989 186990* 187110*F

KOL-06, DEL-23, MUM-01, CHEN-NIL.

*Patent shall be deemed to be endorsed with words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D—Drug Patents

F—Food Patents

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in Section 17(1) of the design Act, 2000.

The date shown in the each entries in the date or registration included in the entries.

- | | | |
|--------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Class. | 13-02 | No.187847. SONY KABUSHIKI KAISHA (Also Trading as Sony Corporation).7-35, Kitashinagawa 6-Chome, Shinagawa-Ku, Tokyo, Japan. 'RECHARGEABLE BATTERY', 24 JULY 2001 (RECIPROCITY JAPAN). |
| Class. | 13-02. | No.187846. SONY KABUSHIKI KAISHA (Also Trading as Sony Corporation).7-35, Kitashinagawa 6-Chome, Shinagawa-Ku, Tokyo, Japan. 'RECHARGEABLE BATTERY', 24 JULY 2001 (RECIPROCITY JAPAN). |
| Class. | 13-03 | No.188663. NIPA INTERNATIONAL PVT. LTD., 412, Udyog Vihar, Phase-III, Gurgaon-122016, Haryana, India. '6A & 16A 6 PIN SOCKET', 3 APRIL 2002. |
| Class. | 13-03 | No.188664. . NIPA INTERNATIONAL PVT. LTD., 412, Udyog Vihar, Phase-III, Gurgaon-122016, Haryana, India. '3 PIN SOCKET', 3 APRIL 2002. |
| Class. | 13-03 | No.188665. . NIPA INTERNATIONAL PVT. LTD., 412, Udyog Vihar, Phase-III, Gurgaon-122016, Haryana, India. '5, PIN SOCKET', 3 APRIL 2002. |
| Class. | 13-03 | No.188666. . NIPA INTERNATIONAL PVT. LTD., 412, Udyog Vihar, Phase-III, Gurgaon-122016, Haryana, India. 'ELECTRICAL SWITCH', 3 APRIL 2002. |
| Class. | 13-03 | No.188667. . NIPA INTERNATIONAL PVT. LTD., 412, Udyog Vihar, Phase-III, Gurgaon-122016, Haryana, India. 'ELECTRICAL SWITCH MODULAR PLATE', 3 APRIL 2002. |
| Class. | 13-03 | No.188668. NIPA INTERNATIONAL PVT. LTD., 412, Udyog Vihar, Phase-III, Gurgaon-122016, Haryana, India. 'ELECTRICAL SWITCH MODULAR PLATE', 3 APRIL 2002. |
| Class. | 13-03. | No.188671. NIPA INTERNATIONAL PVT. LTD., 412, Udyog Vihar, Phase-III, Gurgaon-122016, Haryana, India. 'ELECTRICAL SWITCH MODULAR PLATE', 3 APRIL 2002. |

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|--------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Class. | 13-03 | No.188672. NIPA INTERNATIONAL PVT. LTD., 412, Udyog Vihar, Phase-III, Gurgaon-122016, Haryana, India. 'ELECTRICAL SWITCH MODULAR PLATE', 3 APRIL 2002. |
| Class. | 13-03 | No.188669. NIPA INTERNATIONAL PVT. LTD., 412, Udyog Vihar, Phase-III, Gurgaon-122016, Haryana, India. 'ELECTRICAL SWITCH MODULAR PLATE', 3 APRIL 2002. |
| Class. | 13-03 | No.188670. NIPA INTERNATIONAL PVT. LTD., 412, Udyog Vihar, Phase-III, Gurgaon-122016, Haryana, India. 'ELECTRICAL SWITCH MODULAR PLATE', 3 APRIL 2002. |
| Class. | 19-06 | No.188106. SABER PENS PVT. LTD., P.B. No.5094, Okkiyampet Thuraipakkam, Chennai:-600 096, T.N., India. 'PEN', 12 FEBRUARY 2002. |
| Class. | 23-02 | No.187792. E.I.D. PARRY (INDIA) LTD., Ceramic Division, P.B. 12, "Dare House", 234, N.S.C. Bose Road, Chennai:-600001, T.N., India. 'WASHBASIN', 14 JANUARY 2002. |
| Class. | 03-01 | No.188252. V.I.P. INDUSTRIES LTD., DGP House, 88-C, Old Prabhadevi Road, Mumbai:-400025, Maharashtra, India. 'HAND BAG', 26 FEBRUARY 2002. |
| Class. | 03-01 | No.188245. V.I.P. INDUSTRIES LTD., DGP House, 88-C, Old Prabhadevi Road, Mumbai:-400025, Maharashtra, India. 'SUITCASE', 26 FEBRUARY 2002. |
| Class. | 03-01 | No.188256. V.I.P. INDUSTRIES LTD., DGP House, 88-C, Old Prabhadevi Road, Mumbai:-400025, Maharashtra, India. 'HAND BAG', 26 FEBRUARY 2002. |
| Class. | 03-01 | No.188255. V.I.P. INDUSTRIES LTD., DGP House, 88-C, Old Prabhadevi Road, Mumbai:-400025, Maharashtra, India. 'HAND BAG', 26 FEBRUARY 2002. |
| Class. | 03-01 | No.188250. V.I.P. INDUSTRIES LTD., DGP House, 88-C, Old Prabhadevi Road, Mumbai:-400025, Maharashtra, India. 'HAND BAG', 26 FEBRUARY 2002. |
| Class. | 03-01 | No.188251. V.I.P. INDUSTRIES LTD., DGP House, 88-C, Old Prabhadevi Road, Mumbai:-400025, Maharashtra, India. 'HAND BAG', 26 FEBRUARY 2002. |

Class	23-01	No. 183774. Green Valley Grvwell Pvt. Ltd. Of 6, Panchwati, Society, New Junction Road, Surendranagar, Gujarat State, India. 'REDUCER' 27 th October 2000.
Class	23-01	No. 183775. Green Valley Grvwell Pvt. Ltd. Of 6, Panchwati, Society, New Junction Road, Surendranagar, Gujarat State, India. 'REDUCER' 27 th October 2000.
Class	07-04	No. 183777. Green Valley Grvwell Pvt. Ltd. Of 6, Panchwati, Society, New Junction Road, Surendranagar, Gujarat State, India. 'GAS MIXER' 27 th October 2000.
Class	07-99	No. 187566. Moha Moderne Haushaltwaren Ag of Tannhqlzstrasse 14, Ch-3052, Zollikofen, Switzerland. 'CAN OPENER' 13 June 2001. Switzerland.
Class	12-16	No. 186911. Lo. Gas S.R.L. of Via Dell:Edilizia No. 70/B, Cidenza, 36100, Italy. 'PNEUMATIC LPG REDUCER' 10 th October 2001,
Class	12-16	No. 186912. Lo. Gas S.R.L. of Via Dell:Edilizia No. 70/B, Cidenza, 36100, Italy. 'ELECTRIC LPG REDUCER' 10 th October 2001,
Class	12-16	No. 186913. Lo. Gas S.R.L. of Via Dell:Edilizia No. 70/B, Cidenza, 36100, Italy. 'CNG REDUCER' 10 th October 2001,
Class	05-05	No. 187694. Karni Textile Industries of 113, Monohar Das Katra, 3 rd Floor, Kolkata-700007. 'TEXTILE FABRIC' 31 st December 2001.
Class	05-05	No. 187695. Karni Textile Industries of 113, Monohar Das Katra, 3 rd Floor, Kolkata-700007. 'TEXTILE FABRIC' 31 st December 2001.
Class	23-02	No. No. 187793. E.I.D. Parry (India) Ltd. Of Ceramic Division, Post Bo. 12. "Dare House", 234, N.S.C. Bose Road, Chennai-600001, Tamil Nadu, India. 'WASHBASIN' 14 th January 2002.


Class	23-02	No. No. 187795. E.I.D. Parry (India) Ltd. Of Ceramic Division, Post Bo. 12. "Dare House", 234, N.S.C. Bose Road, Chennai-600001, Tamil Nadu, India. 'CLOSET WITH CISTERN' 14 th January 2002.
Class	06-01	No. 187930. Godrej & Boyce Mfg Co. Ltd. Of Pirojshanagar, Vikhroli, Mumbai-400079, Maharashtra, India. 'CHAIR' 30 th January 2002.
Class	06-07	No. 187941. M/s. Garg Plastics Be-430, Hari Nagar, New Delhi-110064 'PICTURE FRAME' 31 st January 2002
Class	23-01	No. 188089. Kumar Enterprises of 6, Shireeram Estate, Opp: Minakshi Park, Rabari Colony, N.H. No. 8, Amraiwadi, Ahmedabad, Pin: 383330, Gujarat, India. 'PLASTIC AIR VALVE' 11 th February 2002
Class	09-01	No. 188100. Bajaj Sevashram Ltd. Of Bajaj Bhavan, 2 nd floor, Jamnalal Bajaj Marg, Nariman Point, Mumbai-400021. 'BOTTLE' 12 th February 2002.
Class	21-01	No. 188121. Plastech International Pvt. Ltd. Of 210/3, Ashirwad Estate, Ram Mandir Road, Goregaon (W), Mumbai-400104, Maharashtra, India. 'TOYS' 13 th February 2002.
Class	24-04	No. 188195. MGRM Medicare Ltd. Of C-6/5, Safdarjung Development Area, New Delhi-110016. 'SOLAR SPLINT' 18 th February 2002.
Class	24-04	No. 188196. MGRM Medicare Ltd. Of C-6/5, Safdarjung Development Area, New Delhi-110016. 'LUNAR SPLINT' 18 th February 2002.
Class	24-04	No. 188197. MGRM Medicare Ltd. Of C-6/5, Safdarjung Development Area, New Delhi-110016. 'BASEBALL SPLINT' 18 th February 2002.

Class	24-04	No. 188198. MGRM Medicare Ltd. Of C-6/5, Safdarjung Development Area, New Delhi-110016. 'THUMB SPICA SPLINT' 18 th February 2002.
Class	24-04	No. 188199. MGRM Medicare Ltd. Of C-6/5, Safdarjung Development Area, New Delhi-110016. 'RIB BELT (MALE)' 18 th February 2002.
Class	24-04	No. 188200. MGRM Medicare Ltd. Of C-6/5, Safdarjung Development Area, New Delhi-110016. 'SOMU CERVICAL BRACE' 18 th February 2002.
Class	24-04	No. 188189. MGRM Medicare Ltd. Of C-6/5, Safdarjung Development Area, New Delhi-110016. 'SOFT COLLAR' 22 nd February 2002.
Class	12-11	No. 188413. Joginder Singh Tejvinder Singh Opp: Dhandari Kalan Railway Station, Station Road, G.T. Road, Ludhiana, (PB). 'REFLECTOR OF THE PADDLE FOR BICYCLE' 13 th March 2002.
Class	24-04	No. 188480. MGRM Medicare Ltd. Of C-6/5, Safdarjung Development Area, New Delhi-110016. 'LONG LEG U SPLINT' 13 th March 2002.
Class	24-04	No. 188481. MGRM Medicare Ltd. Of C-6/5, Safdarjung Development Area, New Delhi-110016. 'LONG ARM U SPLINT' 13 th March 2002.
Class	24-04	No. 188482. MGRM Medicare Ltd. Of C-6/5, Safdarjung Development Area, New Delhi-110016. 'SACRO SUPPORT-DELUX' 13 th March 2002.

- Class. 03-01 No.188247. V.I.P. INDUSTRIES LTD., DGP House, 88-C, Old Prabhadevi Road, Mumbai:-400025, Maharashtra, India. 'SUITCASE', 26 FEBRUARY 2002.
- Class. 03-01 No.188246. V.I.P. INDUSTRIES LTD., DGP House, 88-C, Old Prabhadevi Road, Mumbai:-400025, Maharashtra, India. 'SUITCASE', 26 FEBRUARY 2002.
- Class. 03-01 No.188249. V.I.P. INDUSTRIES LTD., DGP House, 88-C, Old Prabhadevi Road, Mumbai:-400025, Maharashtra, India. 'SUITCASE', 26 FEBRUARY 2002.
- Class. 13-03 No.188574.PROGRESSIVE ELECTRICAL INSTRUMENTS. 8/B, Patel Industrial Estate,(New Wing), S.V. Road, Dahisar (E), Mumbai:-400068, Maharashtra, India. 'ELECTRICAL SWITCH', 1 APRIL 2002.
- Class. ~~13-03~~ No.188573.MARU INDUSTRIES. B-92/94, Shurla Ind. Estate, Opp. Ajit Glass, Raghvendra Mandir Road, Jogeseshwari (W), Mumbai:-400102, Maharashtra, India. 'ELECTRICAL SWITCHES", 1 APRIL 2002.

(R.V. PATEL)

CONTROLLER GENERAL OF PATENTS DESIGNS
& TRADEMARK.


(N.R. SETH)

DY. CONTROLLER OF PATENTS & DESIGNS.